

TR5712 UBB-XG UNII-3 Annex

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5745.000	30.0	20.000000	PASS
RF output power	5745.000	30.0	20.000000	PASS
Power Spectral Density	5745.000	30.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	5745.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5745.000	30.0	20.000000	PASS
Frequency Error	5745.000	30.0	20.000000	PASS
Tx Spurious Emission	5745.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5775.000	30.0	20.000000	PASS
RF output power	5775.000	30.0	20.000000	PASS
Power Spectral Density	5775.000	30.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	5775.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5775.000	30.0	20.000000	PASS
Tx Spurious Emission	5775.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5825.000	30.0	20.000000	PASS
RF output power	5825.000	30.0	20.000000	PASS
Power Spectral Density	5825.000	30.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	5825.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5825.000	30.0	20.000000	PASS
Frequency Error	5825.000	30.0	20.000000	PASS
Tx Spurious Emission	5825.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5755.000	30.0	40.000000	PASS
RF output power	5755.000	30.0	40.000000	PASS
Power Spectral Density	5755.000	30.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	5755.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5755.000	30.0	40.000000	PASS
Tx Spurious Emission	5755.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5775.000	30.0	40.000000	PASS
RF output power	5775.000	30.0	40.000000	PASS
Power Spectral Density	5775.000	30.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	5775.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5775.000	30.0	40.000000	PASS
Tx Spurious Emission	5775.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5795.000	30.0	40.000000	PASS
RF output power	5795.000	30.0	40.000000	PASS
Power Spectral Density	5795.000	30.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	5795.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5795.000	30.0	40.000000	PASS
Tx Spurious Emission	5795.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5775.000	30.0	80.000000	PASS
RF output power	5775.000	30.0	80.000000	PASS
Power Spectral Density	5775.000	30.0	80.000000	PASS
Minimum Emission Bandwidth 6 dB	5775.000	30.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5775.000	30.0	80.000000	PASS
Tx Spurious Emission	5775.000	30.0	80.000000	PASS

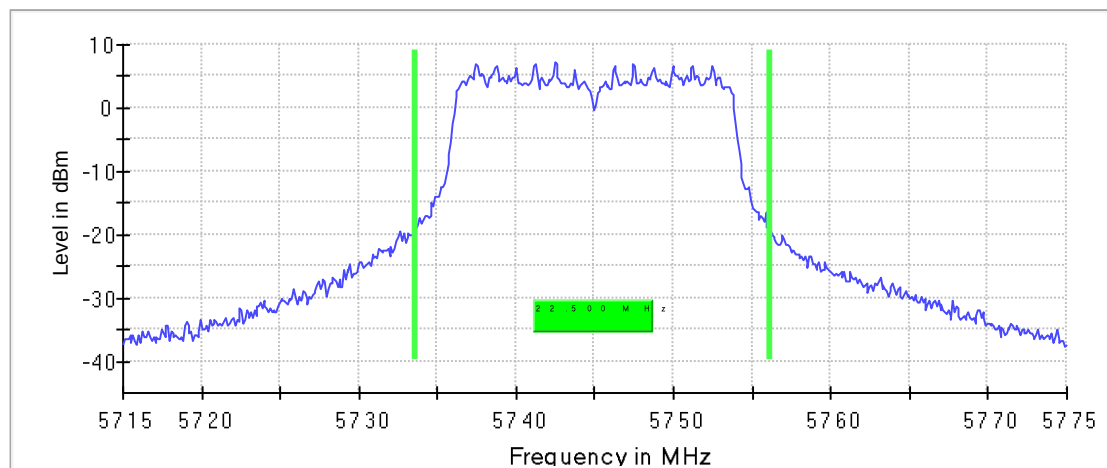
Emission Bandwidth 26 dB (5745 MHz; 30.000 dBm; 20 MHz)

26 dB Bandwidth

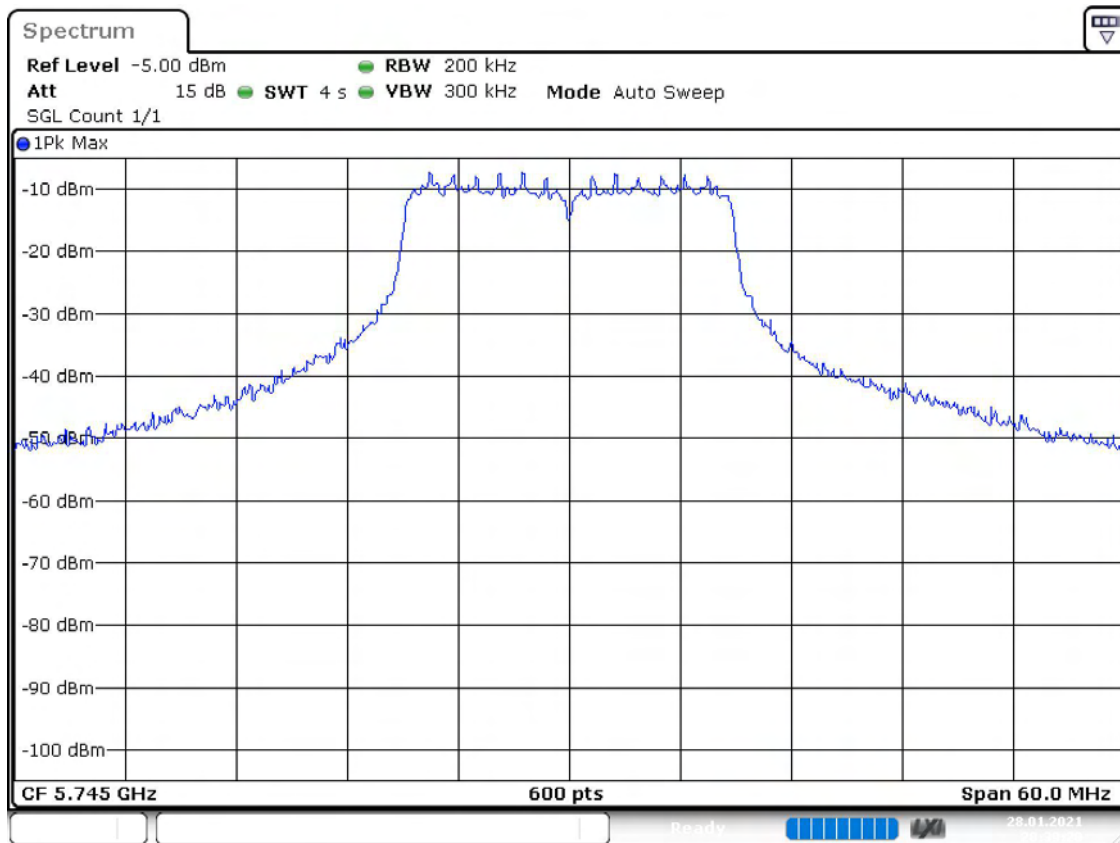
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	22.500000	---	---	5733.650000	5756.150000

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	7.2	PASS

26 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:39:20

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.77500 GHz	5.77500 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

RF output power (5745 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5745.000000	22.2	30.0	36.2	95.236	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Power Spectral Density (5745 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5745.000000	5750.346535	4.712	22.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.75500 GHz	5.75500 GHz
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 80
Sweptime	2.020 ms	2.020 ms
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamplifier	off	off

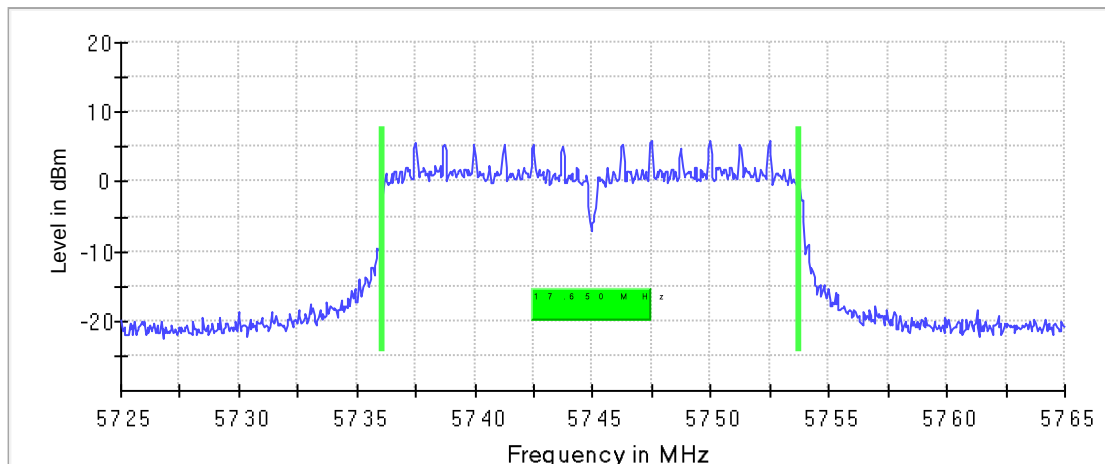
Minimum Emission Bandwidth 6 dB (5745 MHz; 30.000 dBm; 20 MHz)

6 dB Bandwidth

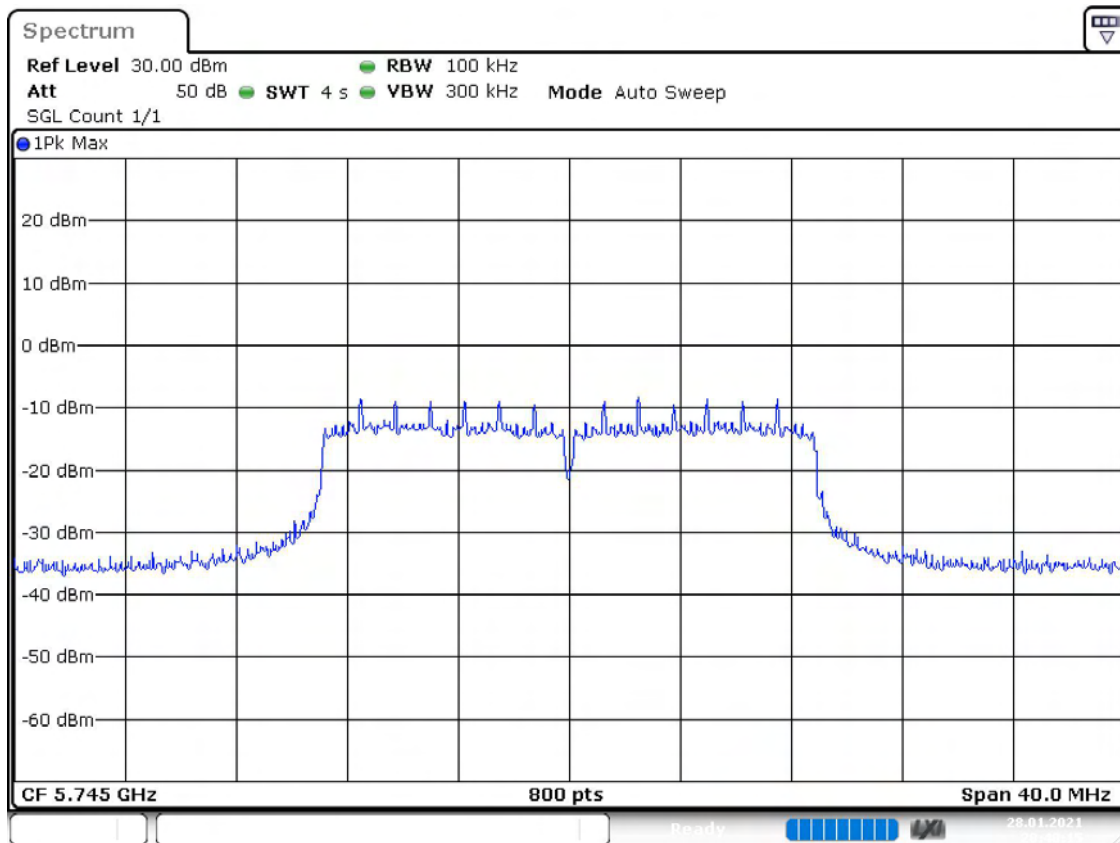
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	17.650000	0.500000	---	5736.125000	5753.775000

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	6.0	PASS

6 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:40:15

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72500 GHz	5.72500 GHz
Stop Frequency	5.76500 GHz	5.76500 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	4.000 s	4.000 s

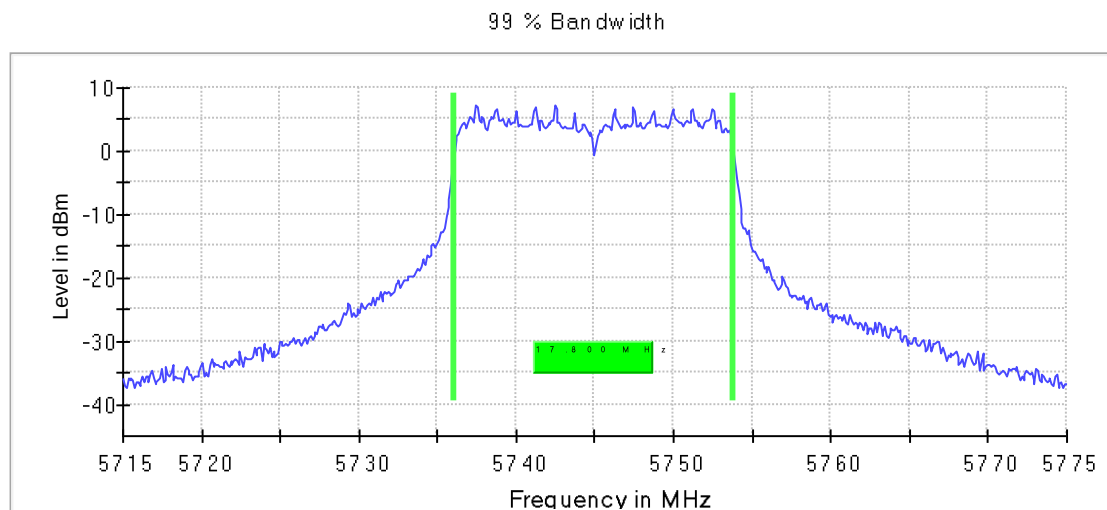
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (5745 MHz; 30.000 dBm; 20 MHz)

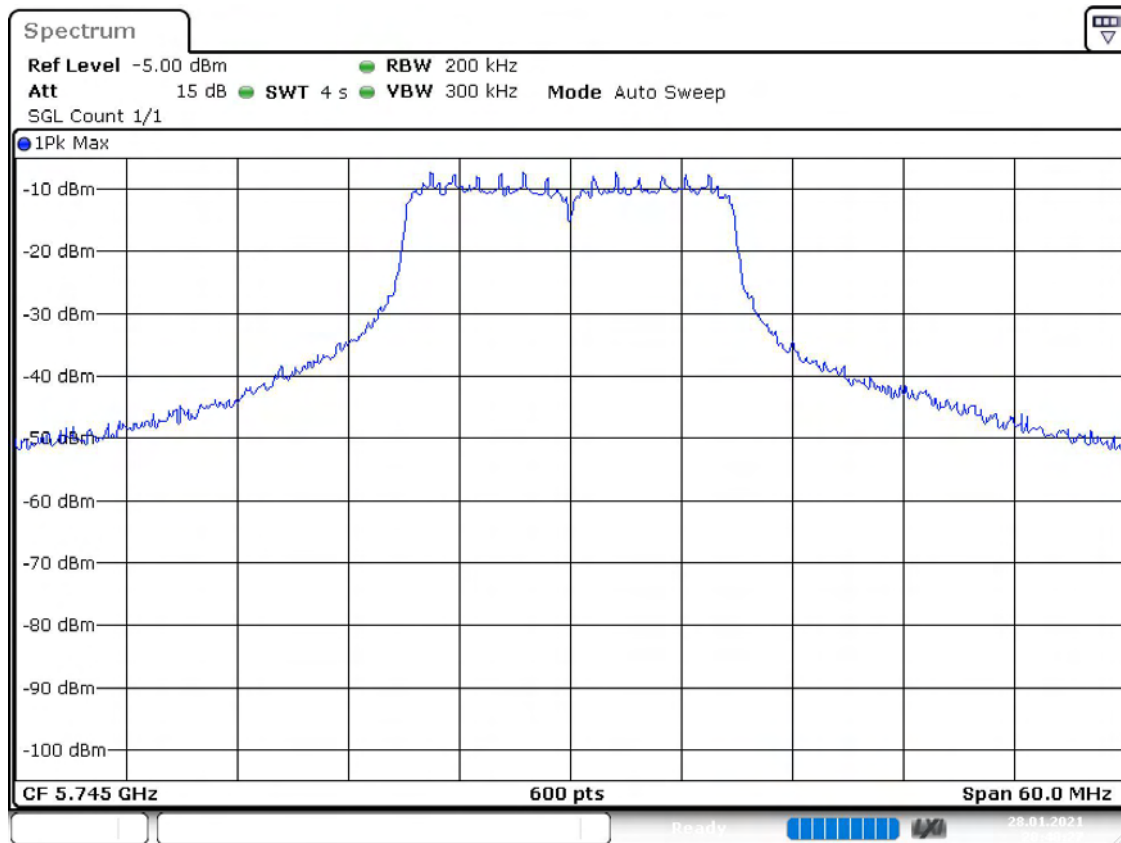
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	17.800000	---	---	5736.050000	5753.850000

DUT Frequency (MHz)	Result
5745.000000	PASS



Bandwidth



Date: 28.JAN.2021 20:40:27

Measurement

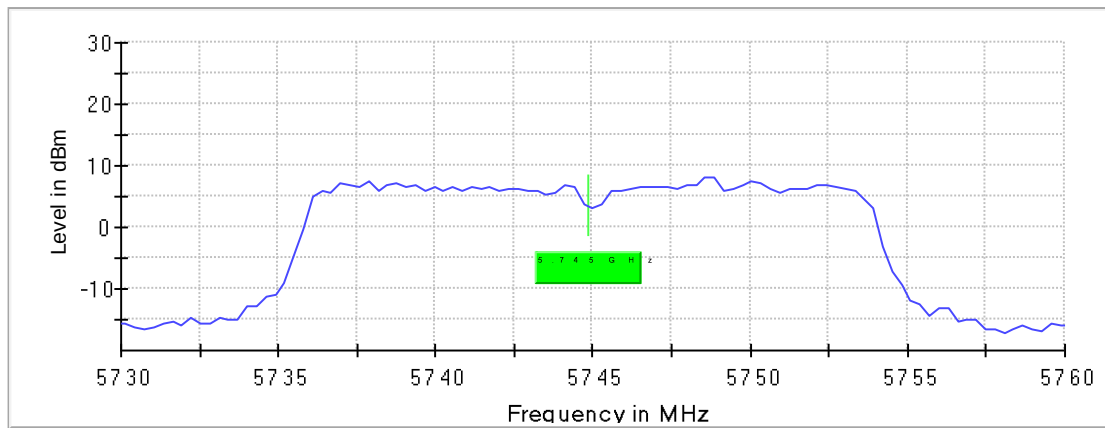
Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.77500 GHz	5.77500 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Frequency Error (5745 MHz; 30.000 dBm; 20 MHz)

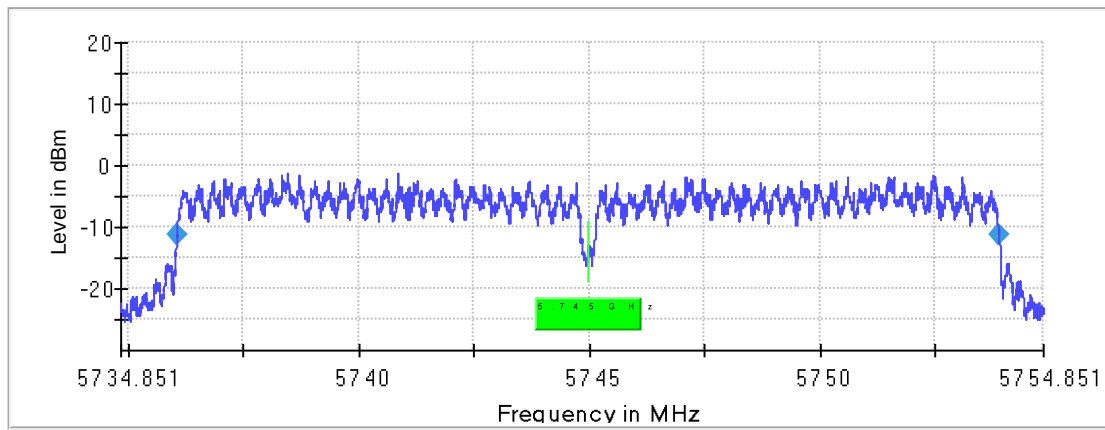
Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
5745.000000	5744.978473	3.747	-21.527500	---	---	PASS

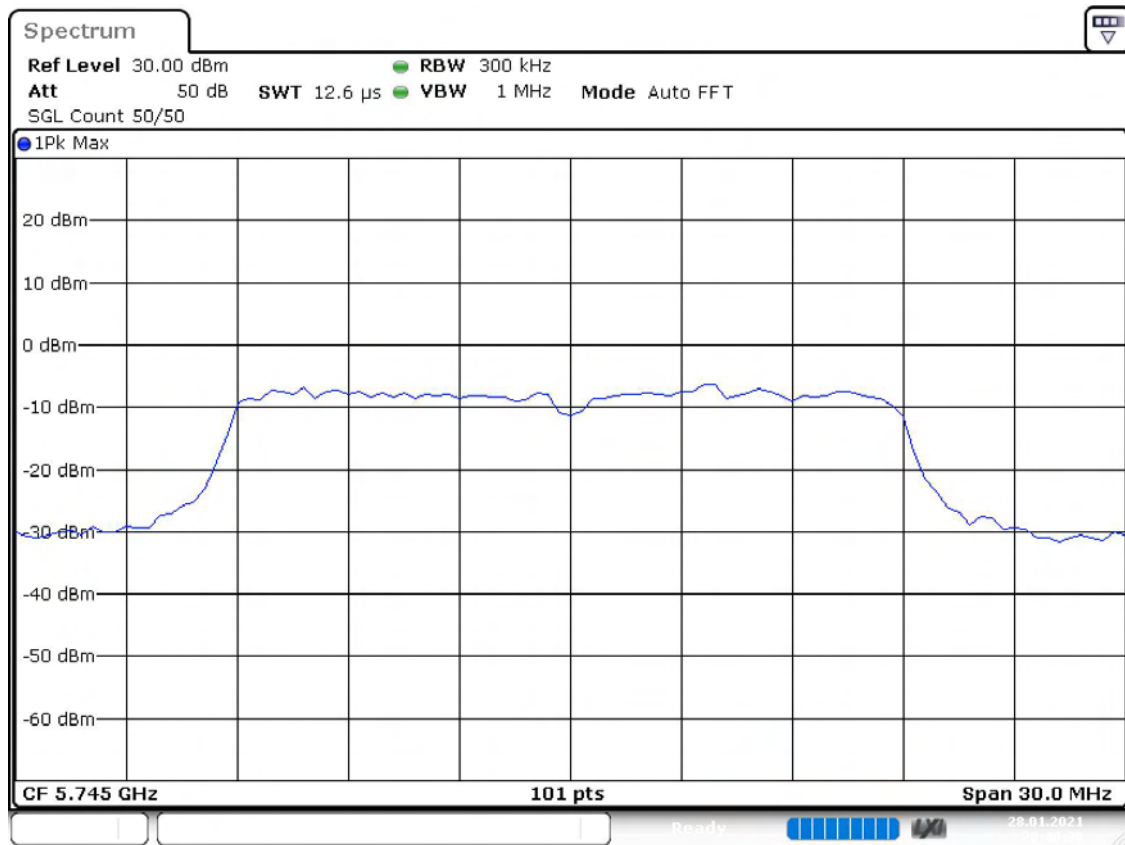
Frequency stability Pre



Frequency stability

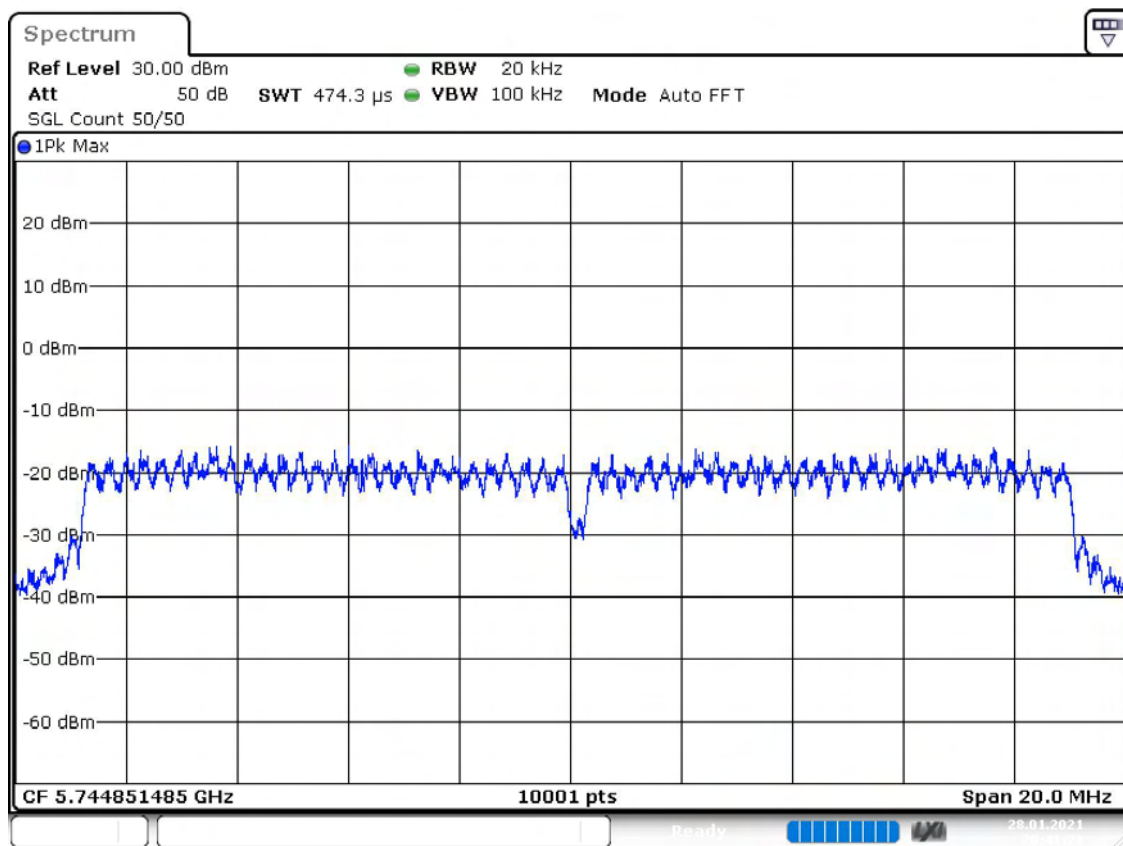


Frequency stability Pre



Date: 28.JAN.2021 20:40:38

Frequency stability



Date: 28.JAN.2021 20:41:21

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73485 GHz	5.73485 GHz
Stop Frequency	5.75485 GHz	5.75485 GHz
Span	20.000 MHz	20.000 MHz
RBW	20.000 kHz	≤ 20.000 kHz
VBW	100.000 kHz	≥ 60.000 kHz
SweepPoints	10001	~ 10001
Sweptime	474.291 μ s	AUTO
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	1.00 dB	1.00 dB
Run	39 / max. 150	max. 150
Stable	1 / 1	1
Max Stable Difference	0.89 dB	1.00 dB

Tx Spurious Emission (5745 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
5745.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

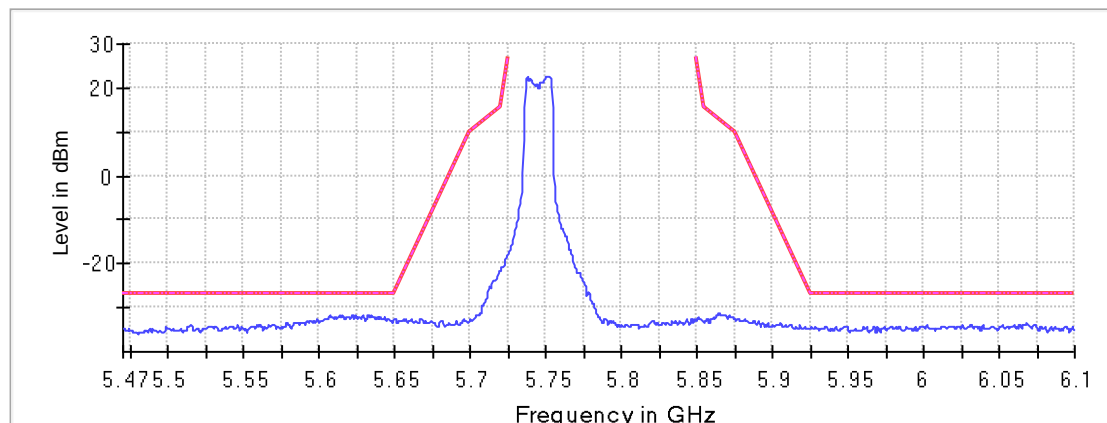
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5621.750000	-31.7	4.7	-27.0
5606.750000	-31.7	4.7	-27.0
5628.750000	-31.7	4.7	-27.0
5622.250000	-31.8	4.8	-27.0
5613.250000	-31.8	4.8	-27.0
5632.250000	-31.8	4.8	-27.0
5634.750000	-31.8	4.8	-27.0
5615.250000	-31.8	4.8	-27.0
5613.750000	-31.8	4.8	-27.0
5632.750000	-31.9	4.9	-27.0
5624.250000	-31.9	4.9	-27.0
5636.250000	-31.9	4.9	-27.0
5635.250000	-31.9	4.9	-27.0
5607.250000	-31.9	4.9	-27.0
5635.750000	-31.9	4.9	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

Spurious



— Limit - - - - - Threshold × Critical × Final Critical — Sum Level

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	1260	~ 1260
Sweptime	85.781 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
Sweeptype	FFT	AUTO
Preamp	off	off

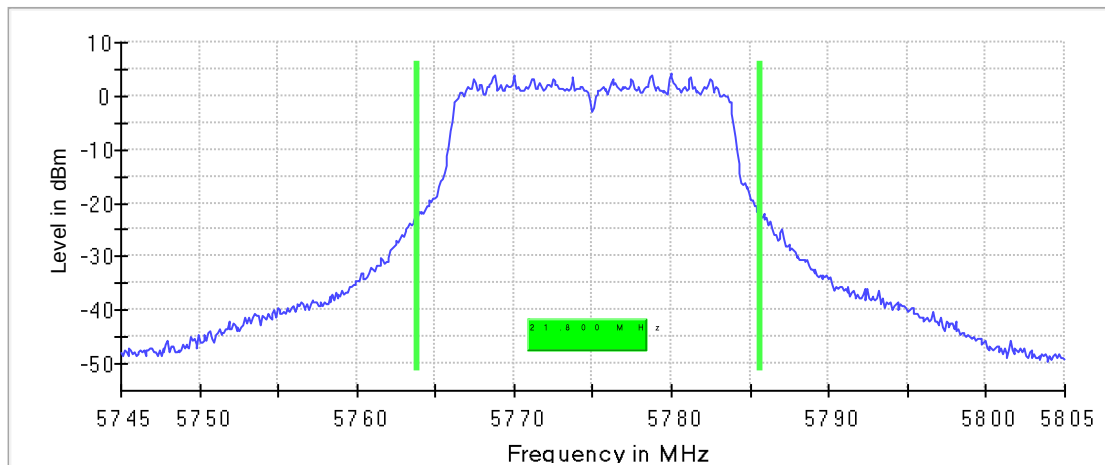
Emission Bandwidth 26 dB (5775 MHz; 30.000 dBm; 20 MHz)

26 dB Bandwidth

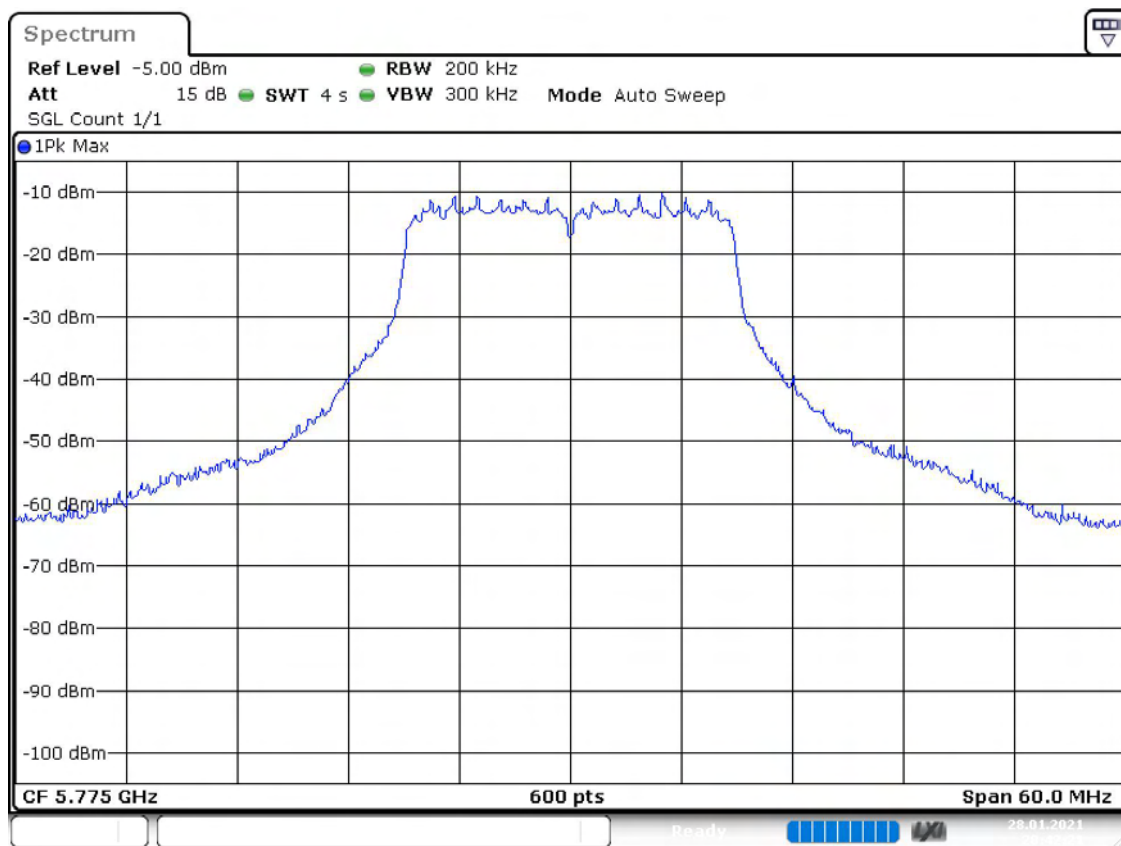
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	21.800000	---	---	5763.850000	5785.650000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	4.4	PASS

26 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:42:21

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.74500 GHz	5.74500 GHz
Stop Frequency	5.80500 GHz	5.80500 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
SweepTime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

RF output power (5775 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5775.000000	19.5	30.0	33.5	94.366	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s

Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Power Spectral Density (5775 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5775.000000	5771.435644	1.951	22.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.76500 GHz	5.76500 GHz
Stop Frequency	5.78500 GHz	5.78500 GHz
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	$\leq$ 500.000 kHz
VBW	2.000 MHz	$\geq$ 1.500 MHz
SweepPoints	101	$\sim$ 80
SweepTime	2.020 ms	2.020 ms
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

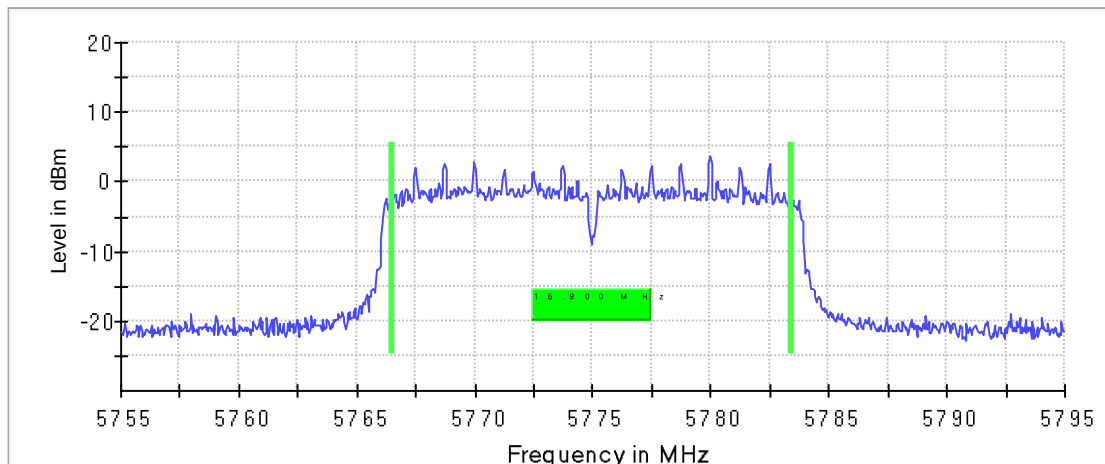
Minimum Emission Bandwidth 6 dB (5775 MHz; 30.000 dBm; 20 MHz)

6 dB Bandwidth

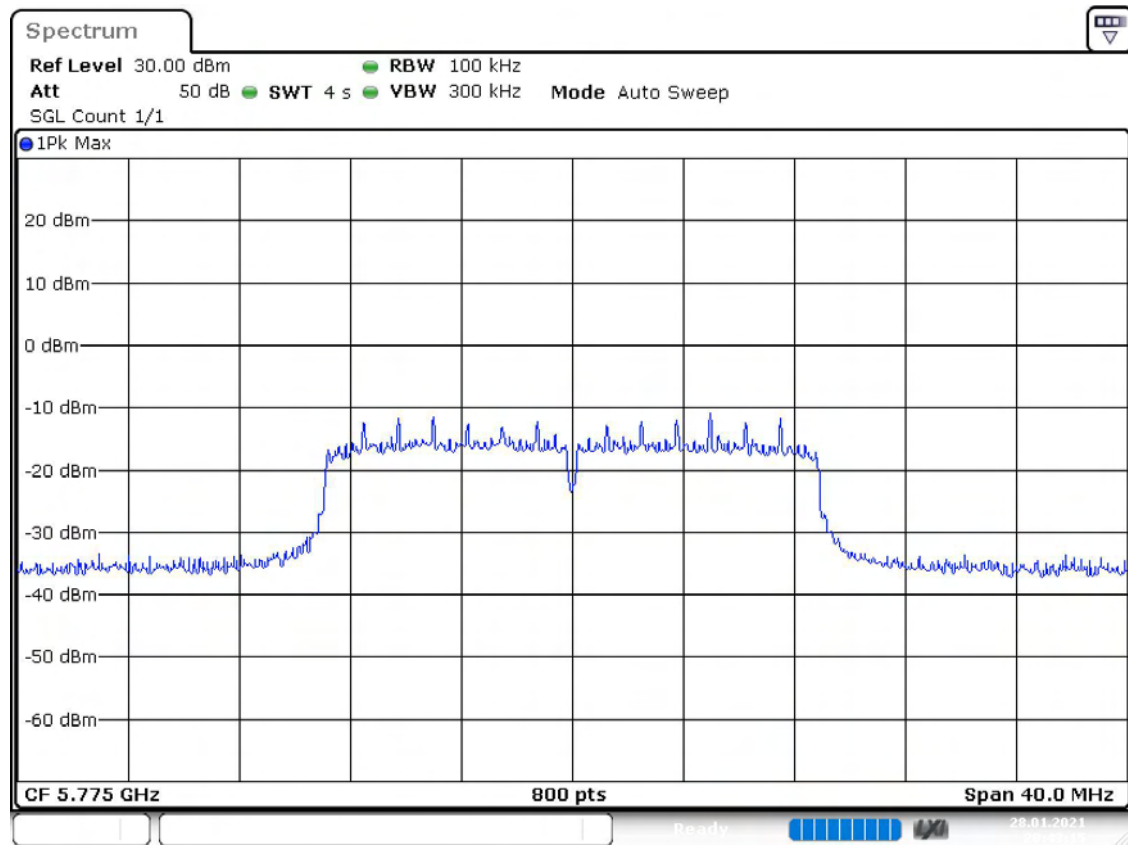
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	16.900000	0.500000	---	5766.525000	5783.425000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	3.7	PASS

6 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:43:15

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.75500 GHz	5.75500 GHz
Stop Frequency	5.79500 GHz	5.79500 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	4.000 s	4.000 s

Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (5775 MHz; 30.000 dBm; 20 MHz)

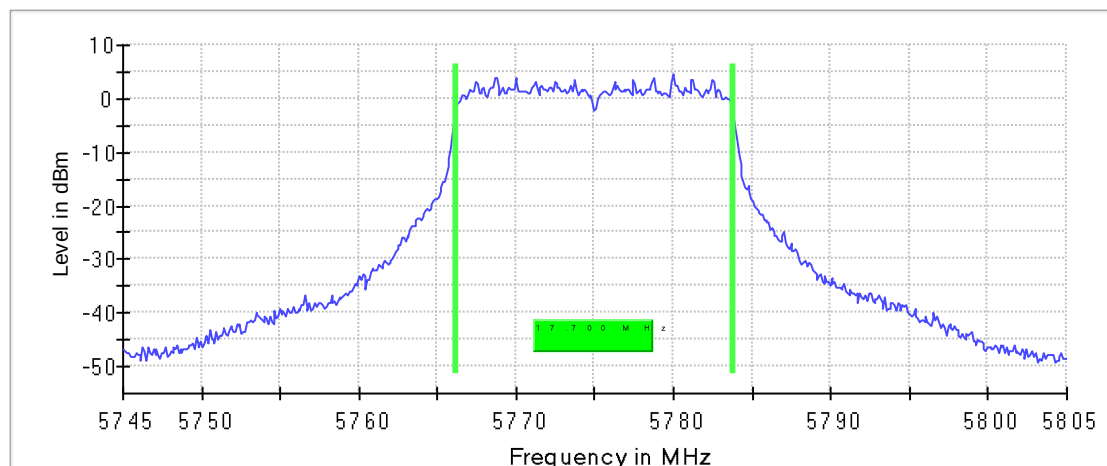
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	17.700000	---	---	5766.150000	5783.850000

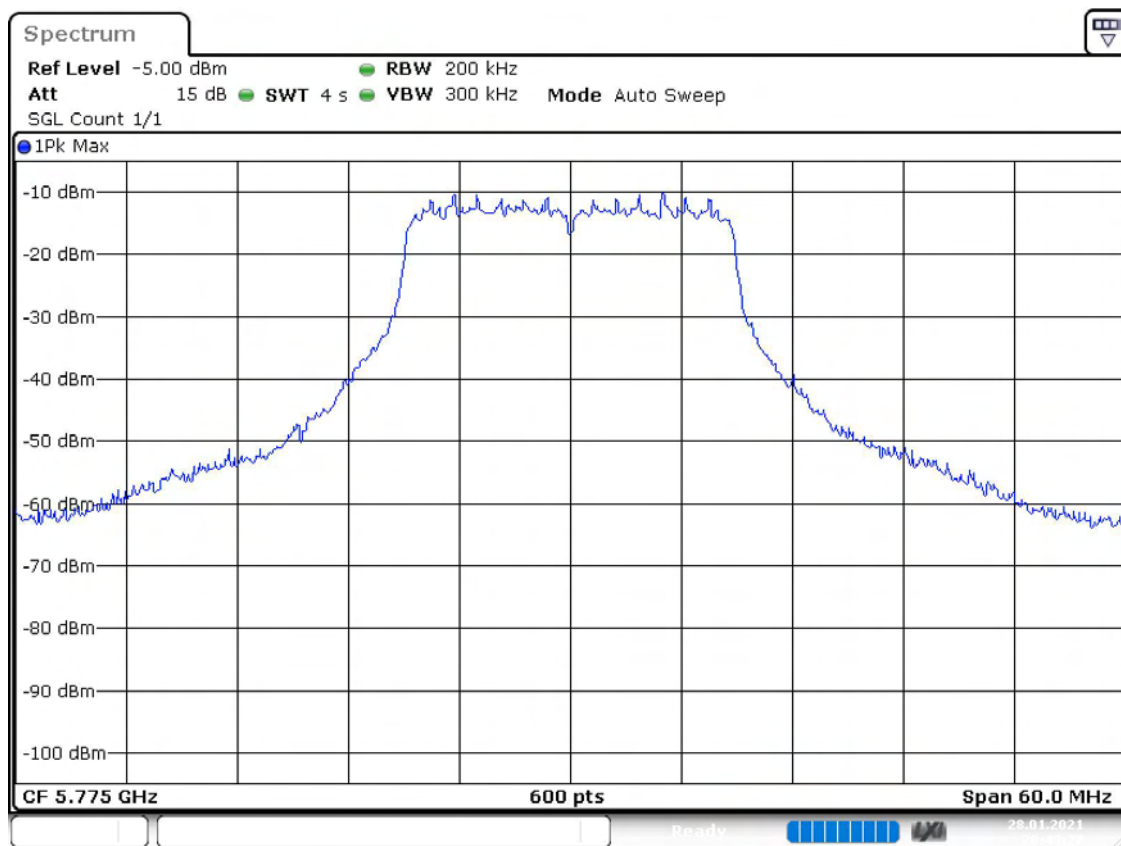
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5775.000000	PASS

99 % Bandwidth



Bandwidth



Date: 28.JAN.2021 20:43:27

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.74500 GHz	5.74500 GHz
Stop Frequency	5.80500 GHz	5.80500 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
SweepTime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (5775 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
5775.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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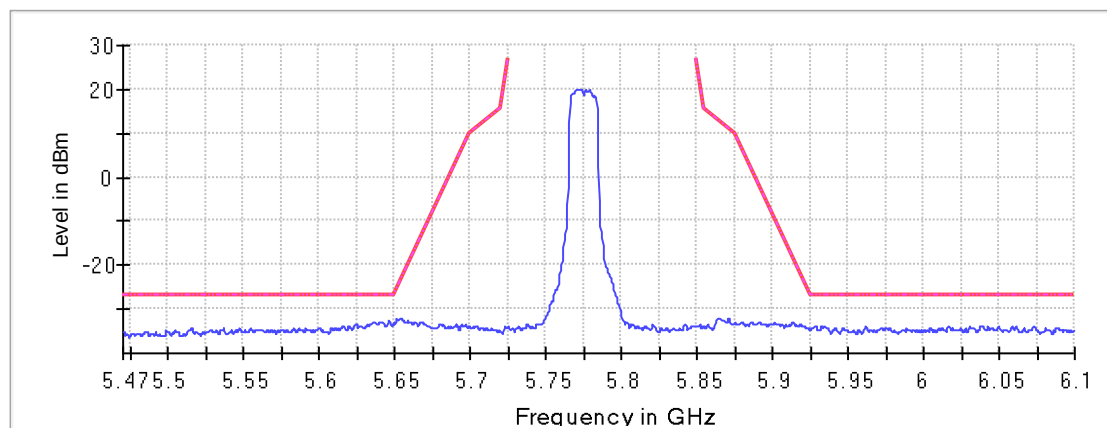
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5646.250000	-32.8	5.8	-27.0
5640.250000	-32.8	5.8	-27.0
5645.750000	-32.8	5.8	-27.0
5639.750000	-32.9	5.9	-27.0
5636.750000	-32.9	5.9	-27.0
5646.750000	-33.0	6.0	-27.0
5640.750000	-33.0	6.0	-27.0
5635.250000	-33.0	6.0	-27.0
5635.750000	-33.1	6.1	-27.0
5636.250000	-33.1	6.1	-27.0
5645.250000	-33.1	6.1	-27.0
5642.250000	-33.1	6.1	-27.0
5641.750000	-33.1	6.1	-27.0
5637.250000	-33.2	6.2	-27.0
5641.250000	-33.2	6.2	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

Spurious



— Limit — Threshold × Critical × Final Critical — Sum Level

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	1260	~ 1260
SweepTime	85.781 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

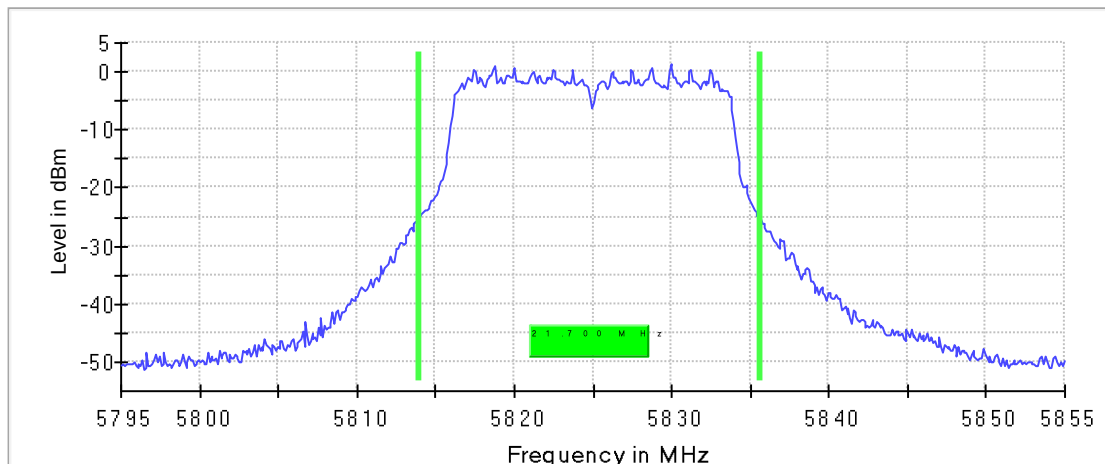
Emission Bandwidth 26 dB (5825 MHz; 30.000 dBm; 20 MHz)

26 dB Bandwidth

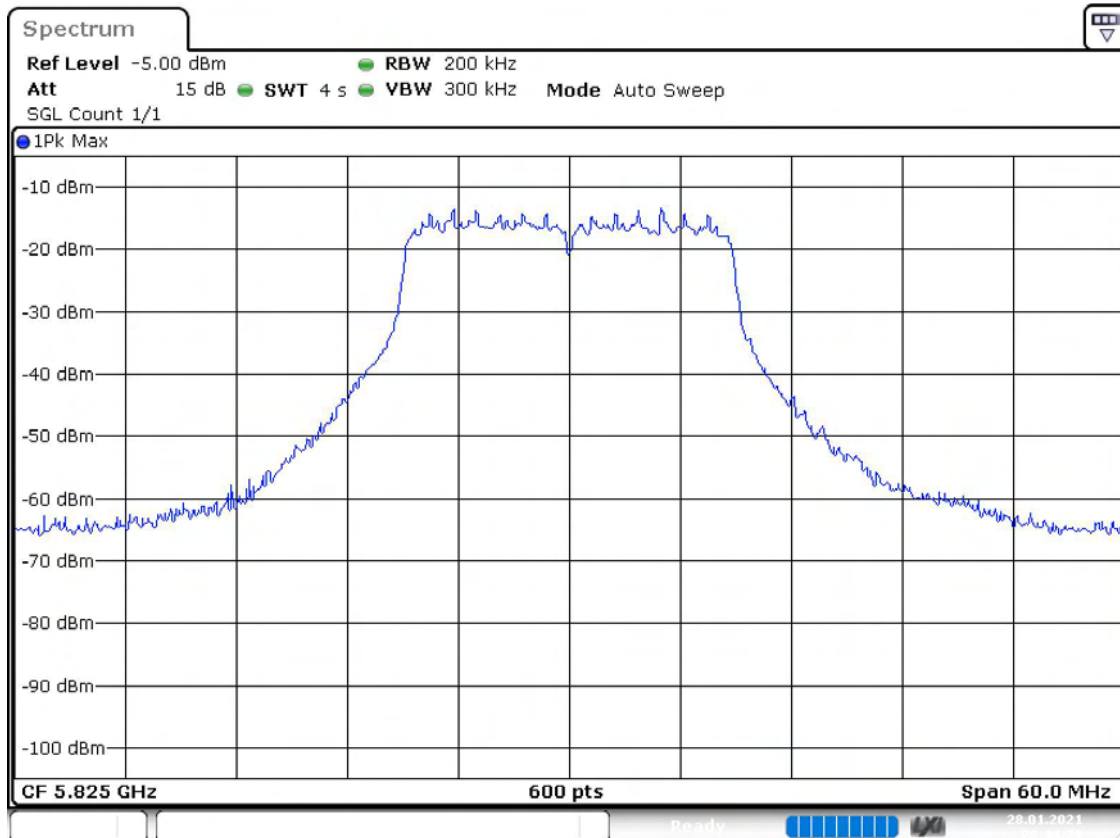
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	21.700000	---	---	5813.950000	5835.650000

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	1.2	PASS

26 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:44:21

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.79500 GHz	5.79500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
SweepTime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

RF output power (5825 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5825.000000	16.9	30.0	30.9	96.453	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Power Spectral Density (5825 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5825.000000	5824.009901	-1.040	22.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.81500 GHz	5.81500 GHz
Stop Frequency	5.83500 GHz	5.83500 GHz
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 80
SweepTime	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

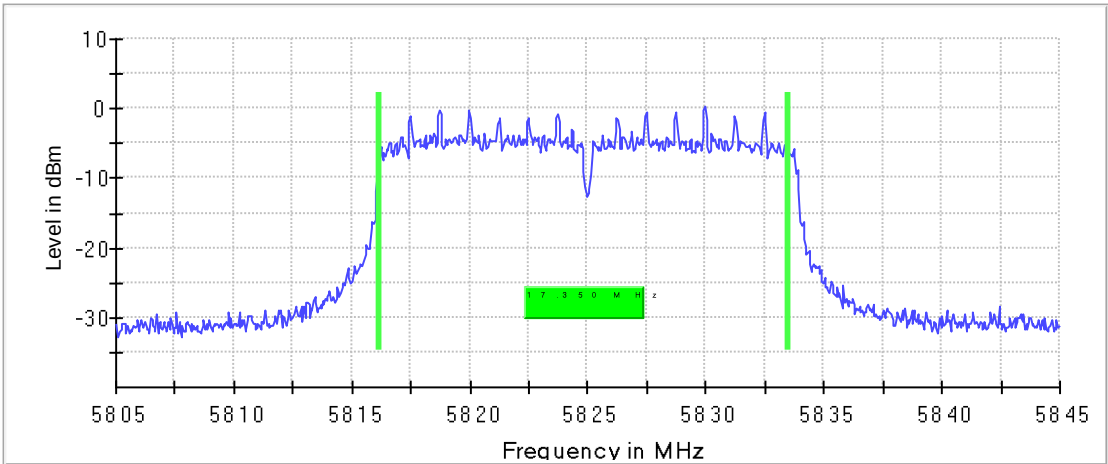
Minimum Emission Bandwidth 6 dB (5825 MHz; 30.000 dBm; 20 MHz)

6 dB Bandwidth

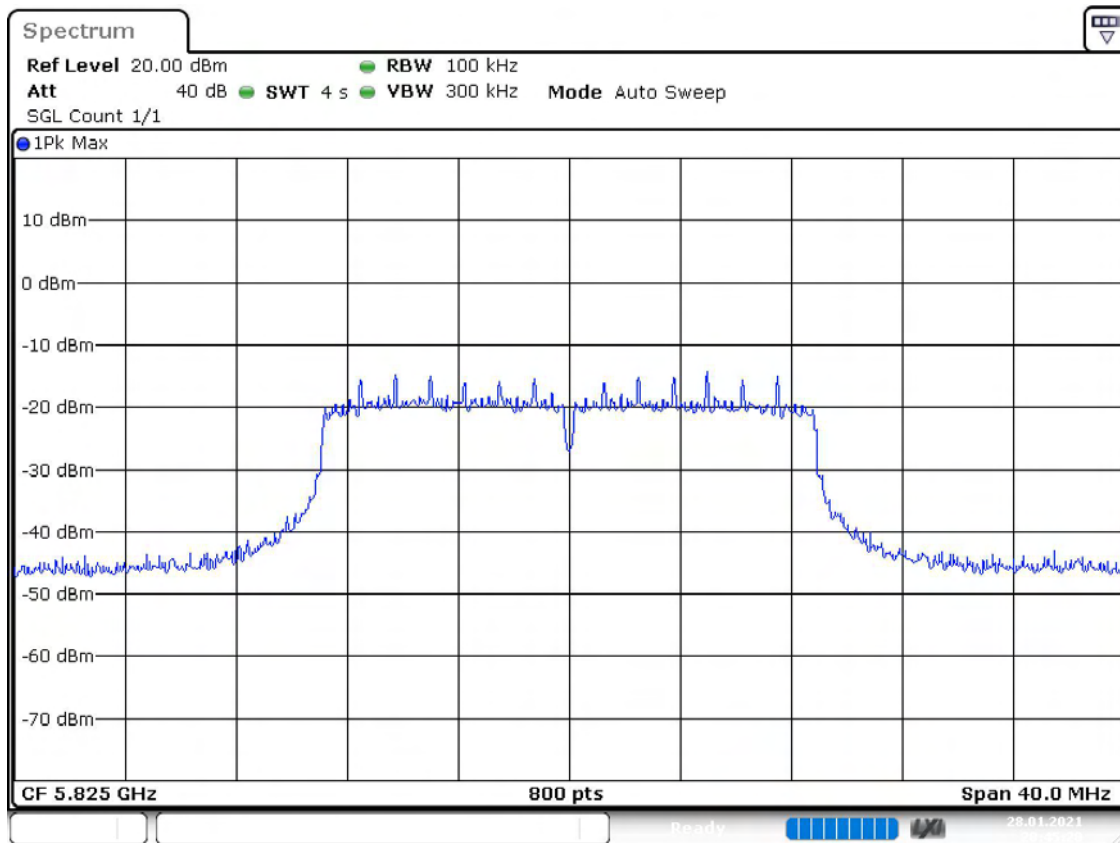
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	17.350000	0.500000	---	5816.175000	5833.525000

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	0.2	PASS

6 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:45:20

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.80500 GHz	5.80500 GHz
Stop Frequency	5.84500 GHz	5.84500 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	4.000 s	4.000 s
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

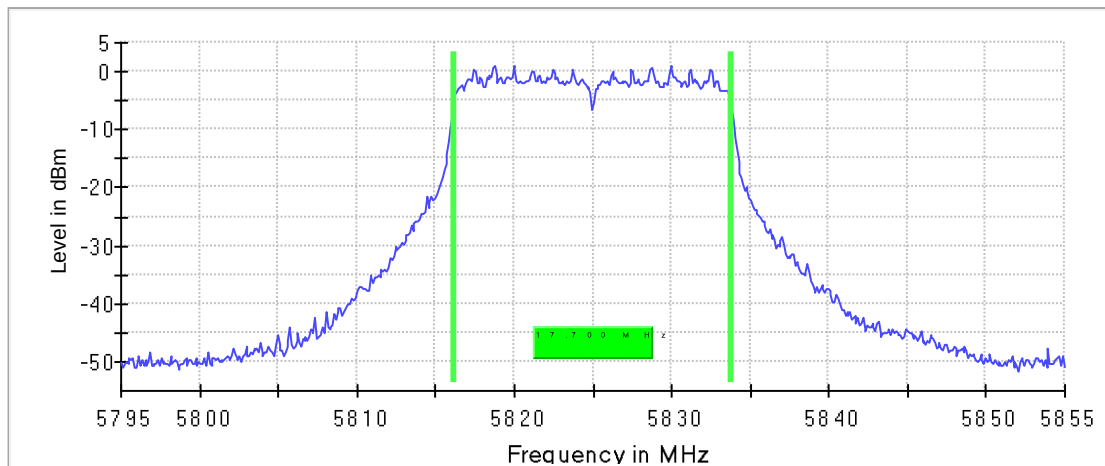
Occupied Channel Bandwidth 99% (5825 MHz; 30.000 dBm; 20 MHz)

99 % Bandwidth

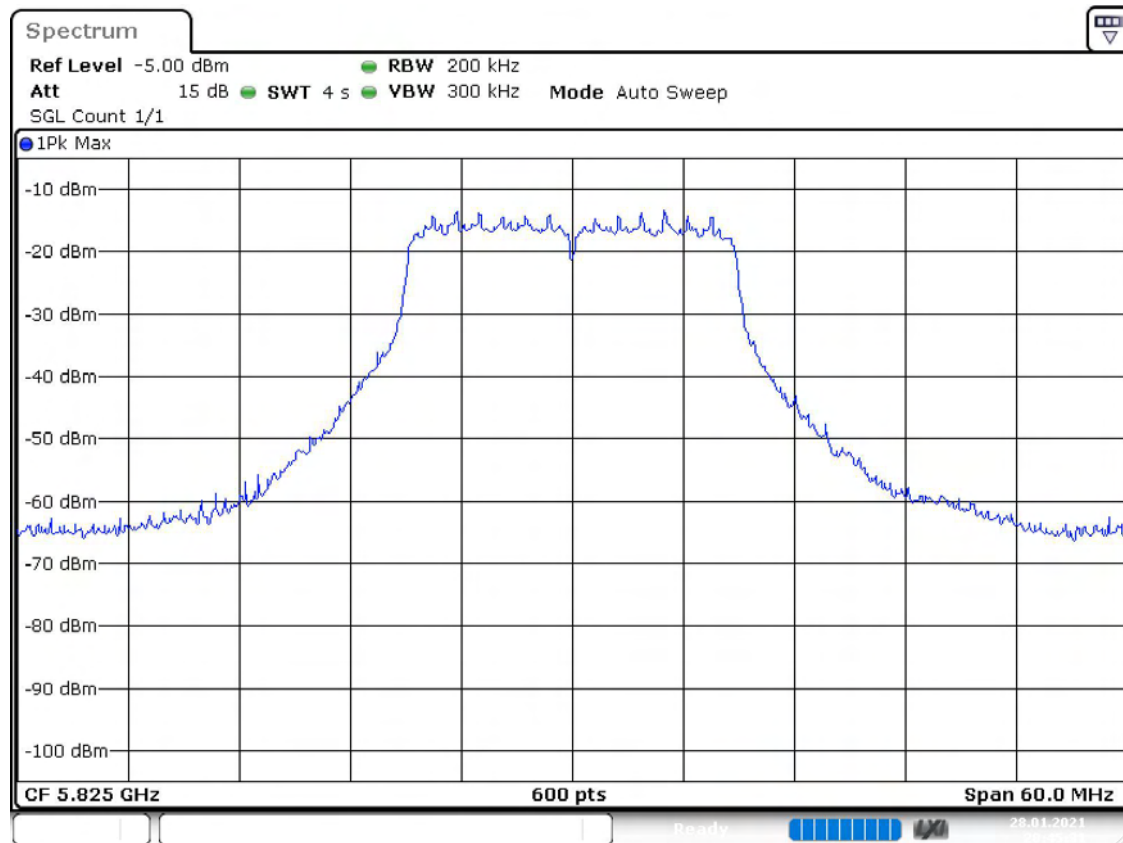
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	17.700000	---	---	5816.150000	5833.850000

DUT Frequency (MHz)	Result
5825.000000	PASS

99 % Bandwidth



Bandwidth



Date: 28.JAN.2021 20:45:31

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.79500 GHz	5.79500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm

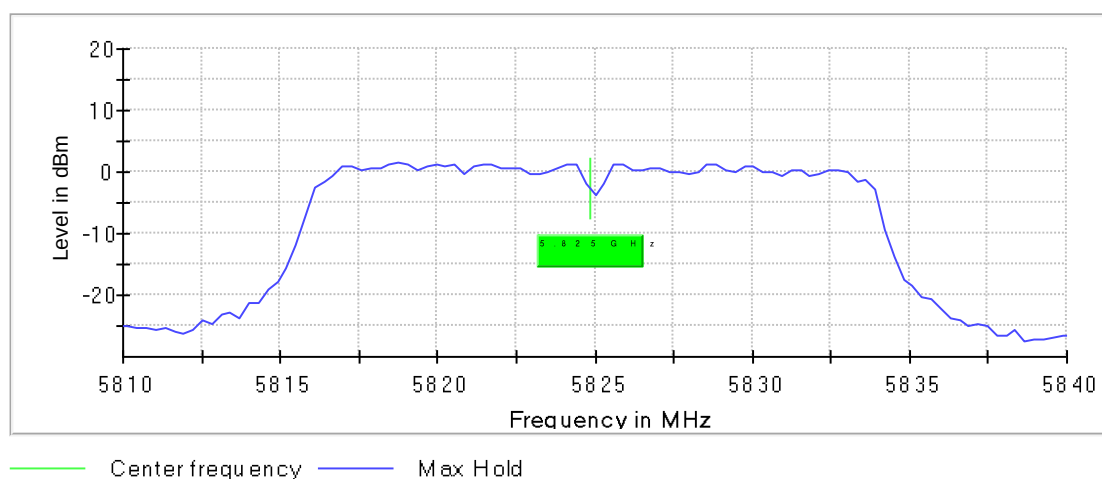
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Frequency Error (5825 MHz; 30.000 dBm; 20 MHz)

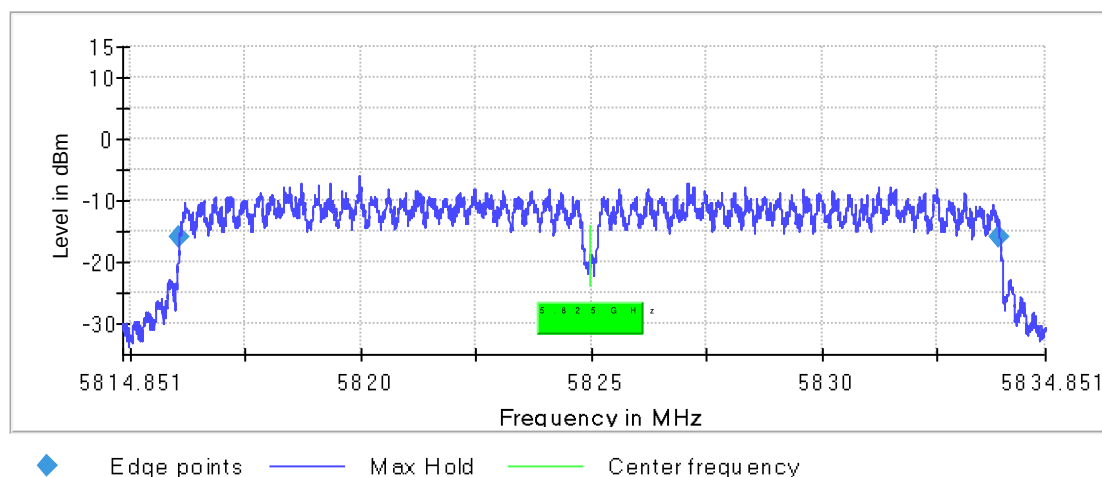
Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
5825.000000	5824.975473	4.211	-24.527500	---	---	PASS

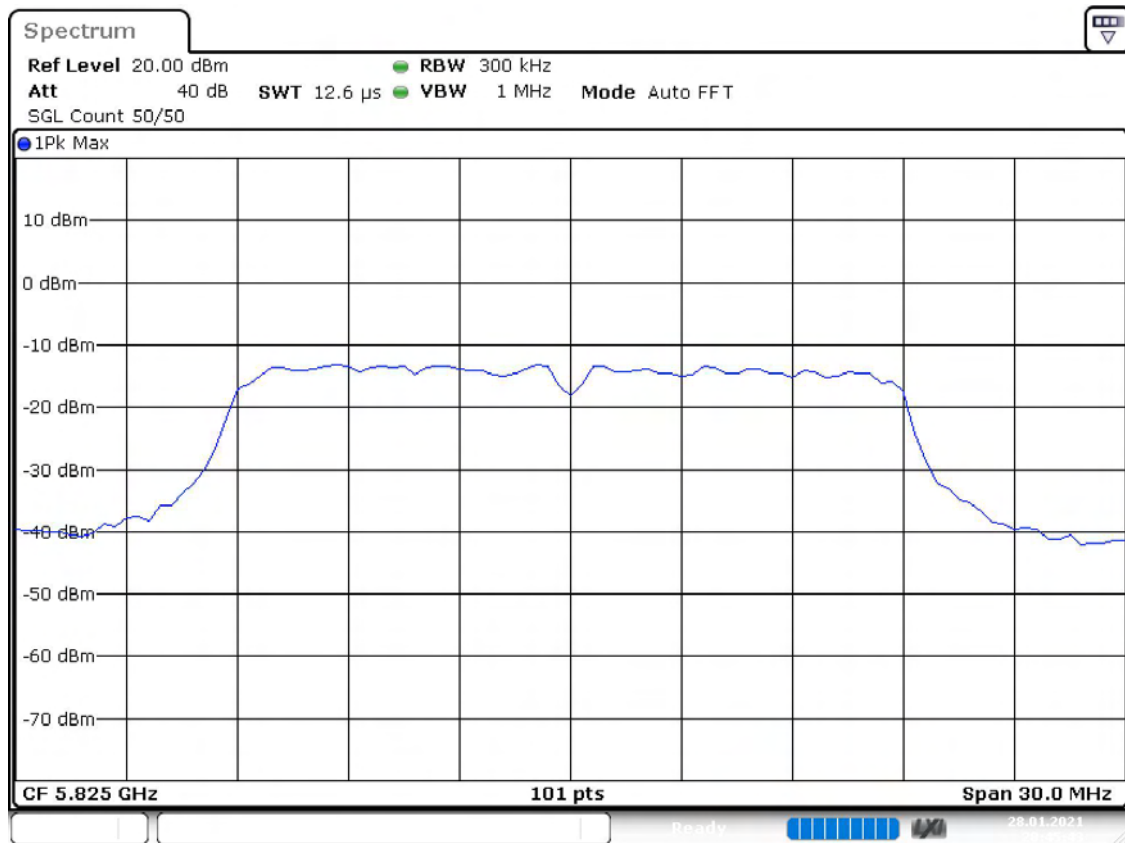
Frequency stability Pre



Frequency stability

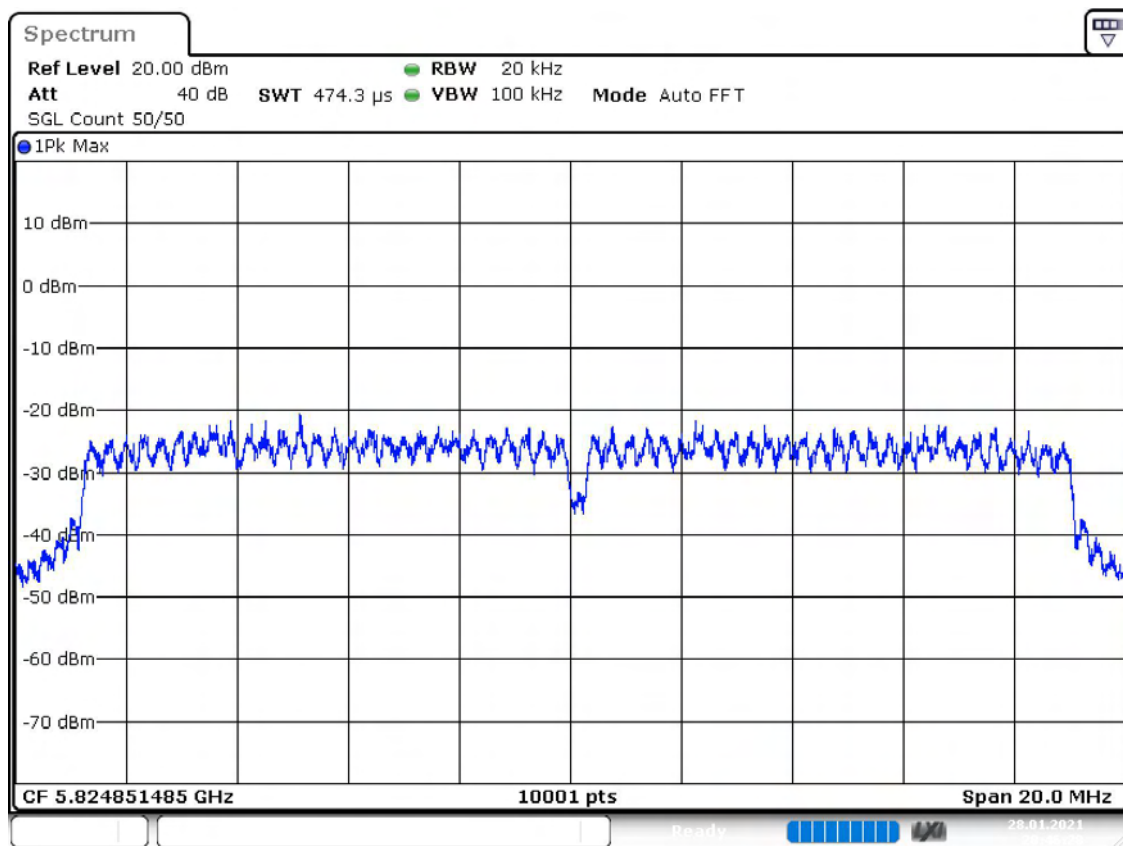


Frequency stability Pre



Date: 28.JAN.2021 20:45:42

Frequency stability



Date: 28.JAN.2021 20:46:28

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.81485 GHz	5.81485 GHz
Stop Frequency	5.83485 GHz	5.83485 GHz
Span	20.000 MHz	20.000 MHz
RBW	20.000 kHz	<= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	10001	~ 10001
Sweptime	474.291 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	1.00 dB	1.00 dB
Run	42 / max. 150	max. 150
Stable	1 / 1	1
Max Stable Difference	0.81 dB	1.00 dB

Tx Spurious Emission (5825 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
5825.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

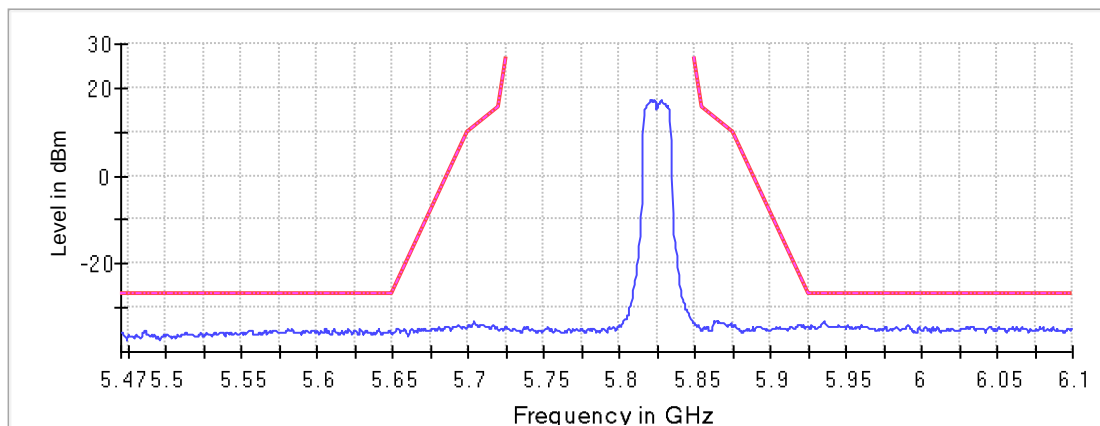
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5935.250000	-33.1	6.1	-27.0
5935.750000	-33.3	6.3	-27.0
5934.750000	-33.4	6.4	-27.0
5936.250000	-33.5	6.5	-27.0
5934.250000	-33.6	6.6	-27.0
5933.750000	-33.8	6.8	-27.0
5936.750000	-33.8	6.8	-27.0
5990.750000	-33.9	6.9	-27.0
5991.250000	-34.0	7.0	-27.0
5950.750000	-34.0	7.0	-27.0
5937.250000	-34.0	7.0	-27.0
5951.250000	-34.0	7.0	-27.0
5927.250000	-34.1	7.1	-27.0
5960.250000	-34.1	7.1	-27.0
5945.250000	-34.1	7.1	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

Spurious



— Limit — Threshold × Critical × Final Critical — Sum Level

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	1260	~ 1260
SweepTime	85.781 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

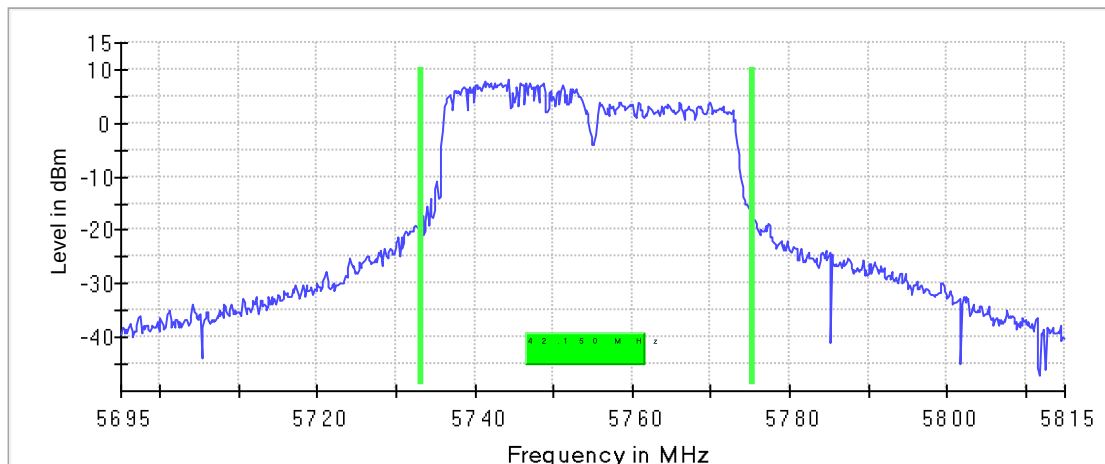
Emission Bandwidth 26 dB (5755 MHz; 30.000 dBm; 40 MHz)

26 dB Bandwidth

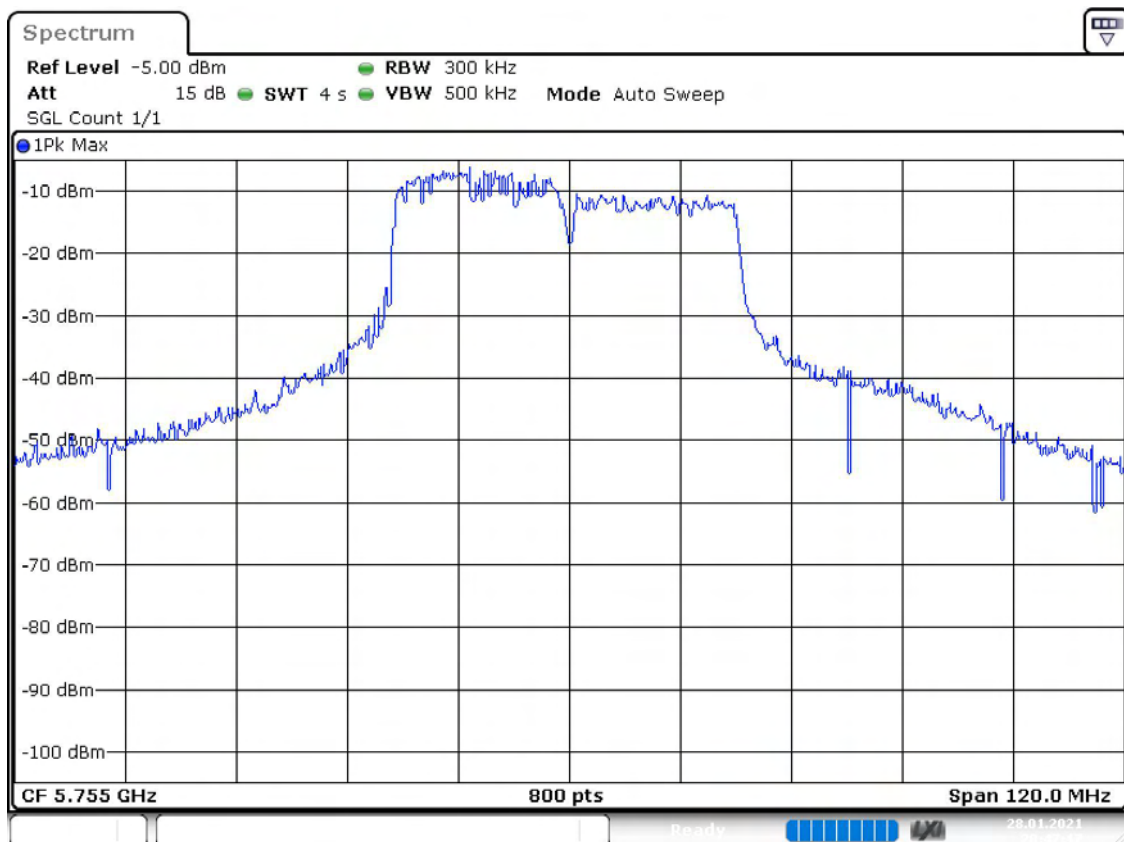
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	42.150000	---	---	5733.175000	5775.325000

DUT Frequency (MHz)	Max Level (dBm)	Result
5755.000000	8.3	PASS

26 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:47:17

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.69500 GHz	5.69500 GHz
Stop Frequency	5.81500 GHz	5.81500 GHz
Span	120.000 MHz	120.000 MHz
RBW	300.000 kHz	~ 400.000 kHz
VBW	500.000 kHz	>= 360.000 kHz
SweepPoints	800	~ 800
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

RF output power (5755 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5755.000000	22.1	30.0	36.1	90.948	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Power Spectral Density (5755 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5755.000000	5746.125000	2.824	22.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.77500 GHz	5.77500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
Sweptime	3.200 ms	3.200 ms
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	Sweep	AUTO
Preamp	off	off

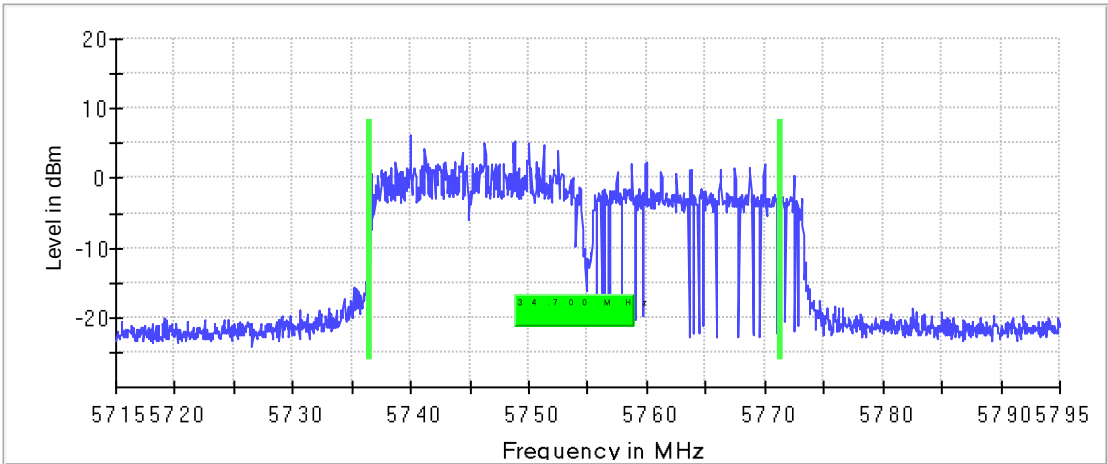
Minimum Emission Bandwidth 6 dB (5755 MHz; 30.000 dBm; 40 MHz)

6 dB Bandwidth

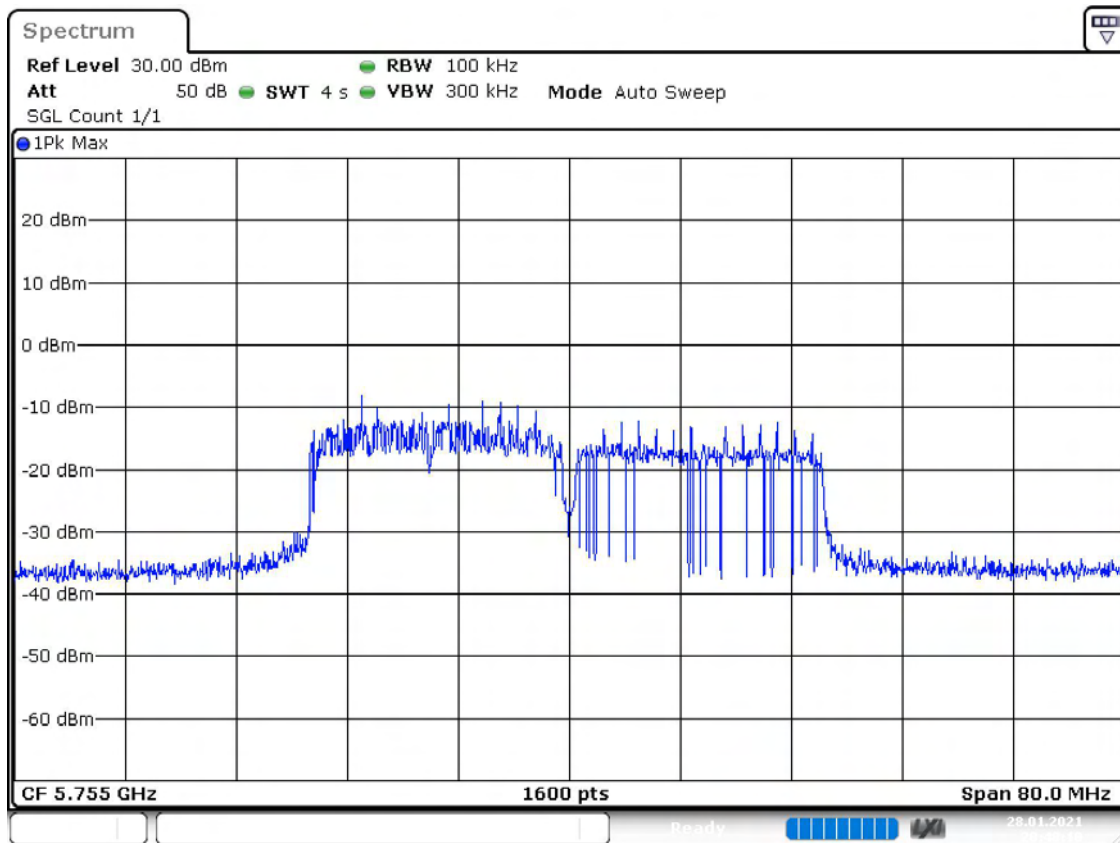
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	34.700000	0.500000	---	5736.575000	5771.275000

DUT Frequency (MHz)	Max Level (dBm)	Result
5755.000000	6.3	PASS

6 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:48:10

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.79500 GHz	5.79500 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweptime	4.000 s	4.000 s
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

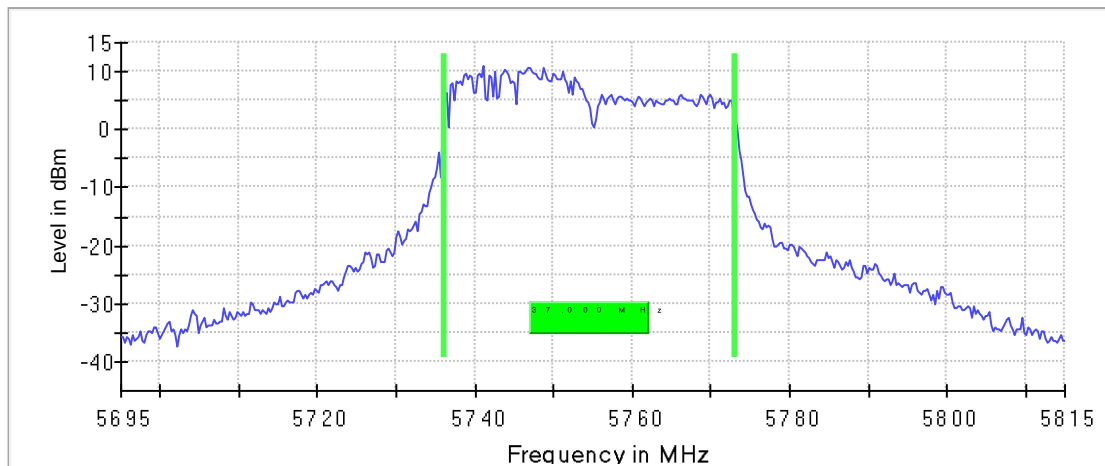
Occupied Channel Bandwidth 99% (5755 MHz; 30.000 dBm; 40 MHz)

99 % Bandwidth

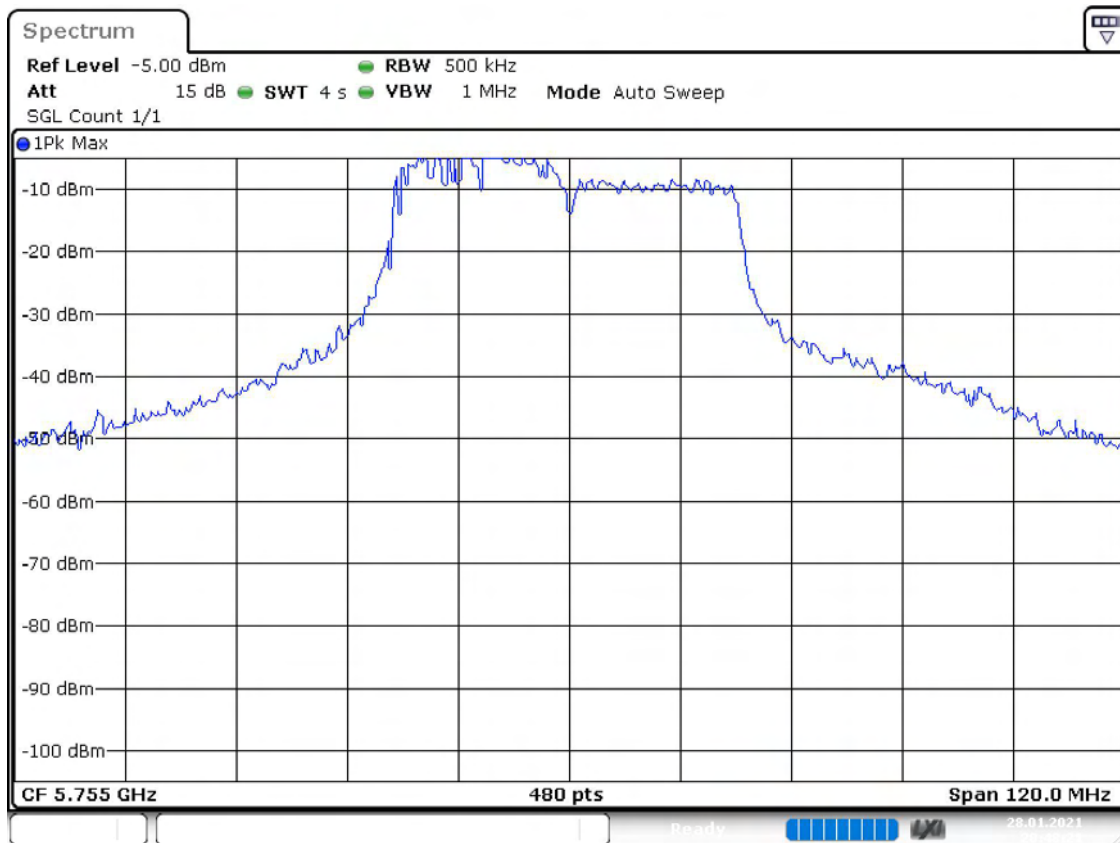
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	37.000000	---	---	5736.125000	5773.125000

DUT Frequency (MHz)	Result
5755.000000	PASS

99 % Bandwidth



Bandwidth



Date: 28.JAN.2021 20:48:21

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.69500 GHz	5.69500 GHz
Stop Frequency	5.81500 GHz	5.81500 GHz
Span	120.000 MHz	120.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	480	~ 480
SweepTime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm

Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (5755 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
5755.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

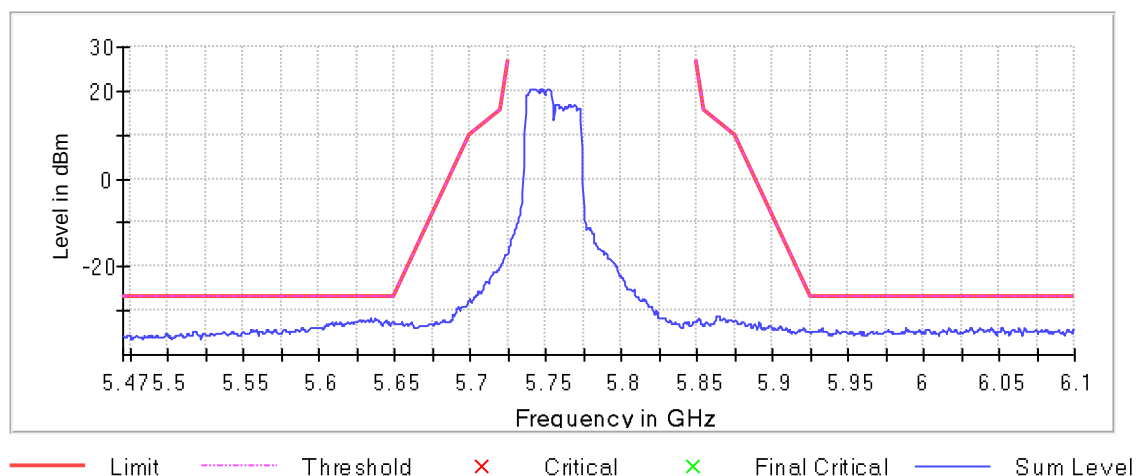
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5636.750000	-31.7	4.7	-27.0
5637.250000	-31.8	4.8	-27.0
5634.250000	-31.9	4.9	-27.0
5626.750000	-32.0	5.0	-27.0
5632.250000	-32.0	5.0	-27.0
5629.250000	-32.1	5.1	-27.0
5627.250000	-32.1	5.1	-27.0
5628.750000	-32.1	5.1	-27.0
5631.750000	-32.2	5.2	-27.0
5633.750000	-32.2	5.2	-27.0
5634.750000	-32.2	5.2	-27.0
5644.250000	-32.2	5.2	-27.0
5638.250000	-32.2	5.2	-27.0
5637.750000	-32.2	5.2	-27.0
5636.250000	-32.2	5.2	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

Spurious



Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	≤ 1.000 MHz
VBW	3.000 MHz	≥ 3.000 MHz
SweepPoints	1260	~ 1260
SweepTime	85.781 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

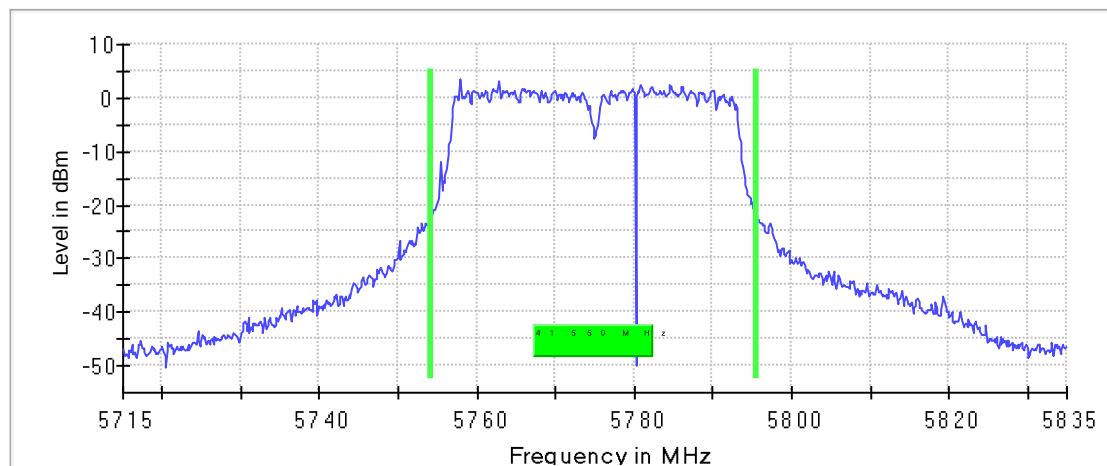
Emission Bandwidth 26 dB (5775 MHz; 30.000 dBm; 40 MHz)

26 dB Bandwidth

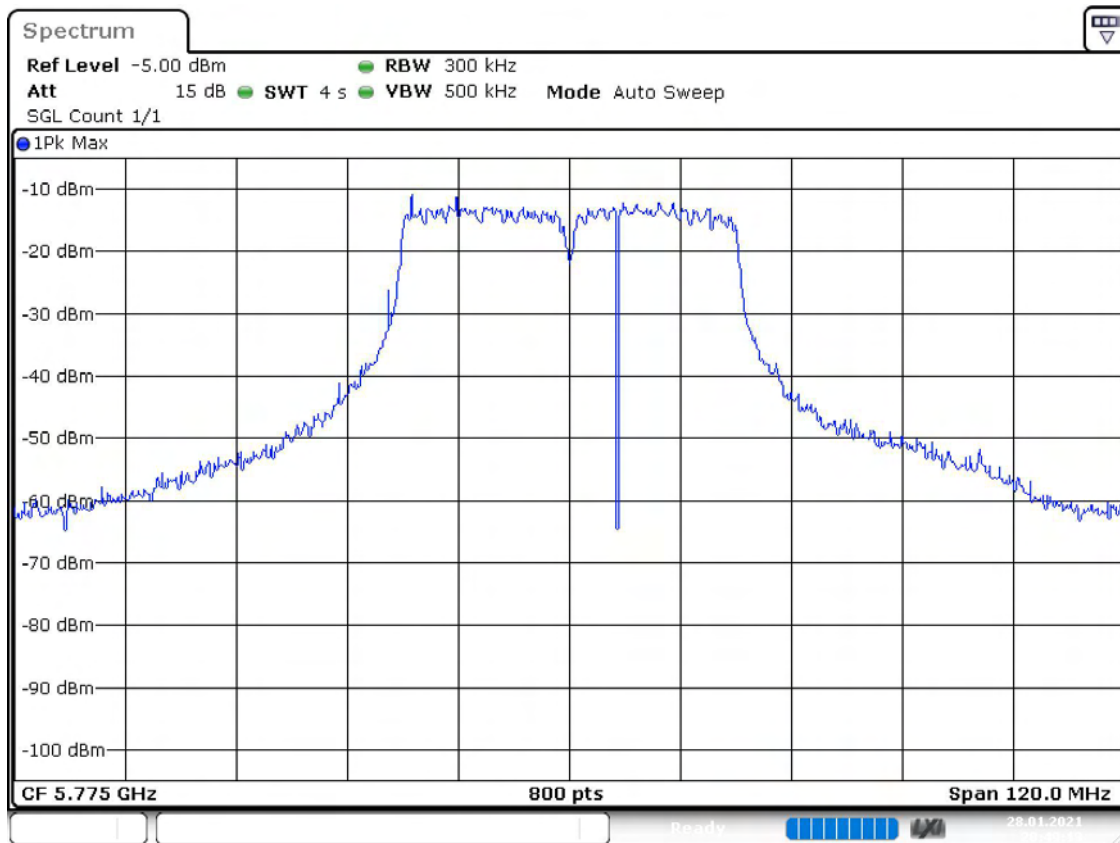
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	41.550000	---	---	5754.075000	5795.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	3.5	PASS

26 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:49:13

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.83500 GHz	5.83500 GHz
Span	120.000 MHz	120.000 MHz
RBW	300.000 kHz	~ 400.000 kHz
VBW	500.000 kHz	>= 360.000 kHz
SweepPoints	800	~ 800
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamplifier	off	off

RF output power (5775 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5775.000000	19.6	30.0	33.6	81.186	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Power Spectral Density (5775 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5775.000000	5763.875000	-1.066	22.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.75500 GHz	5.75500 GHz
Stop Frequency	5.79500 GHz	5.79500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
SweepTime	3.200 ms	3.200 ms
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
Sweeptype	Sweep	AUTO
Preamp	off	off

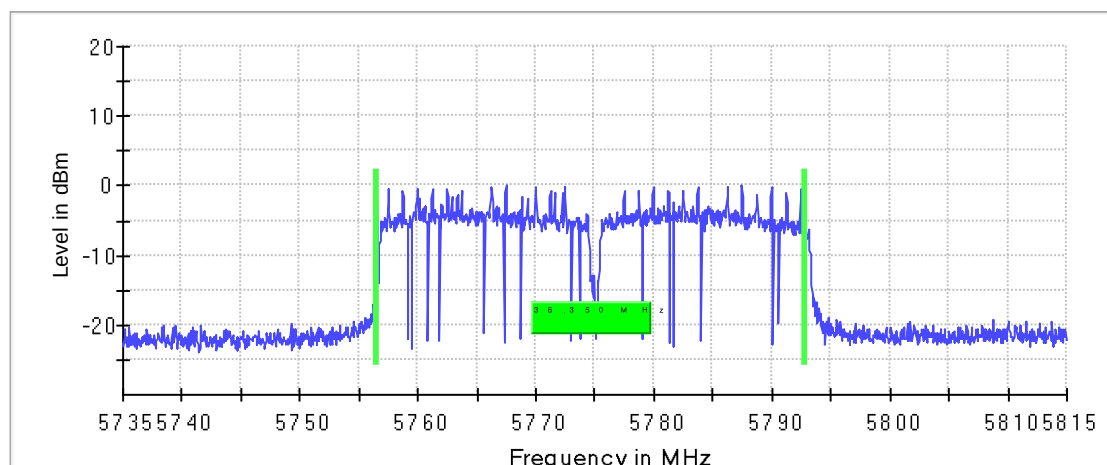
Minimum Emission Bandwidth 6 dB (5775 MHz; 30.000 dBm; 40 MHz)

6 dB Bandwidth

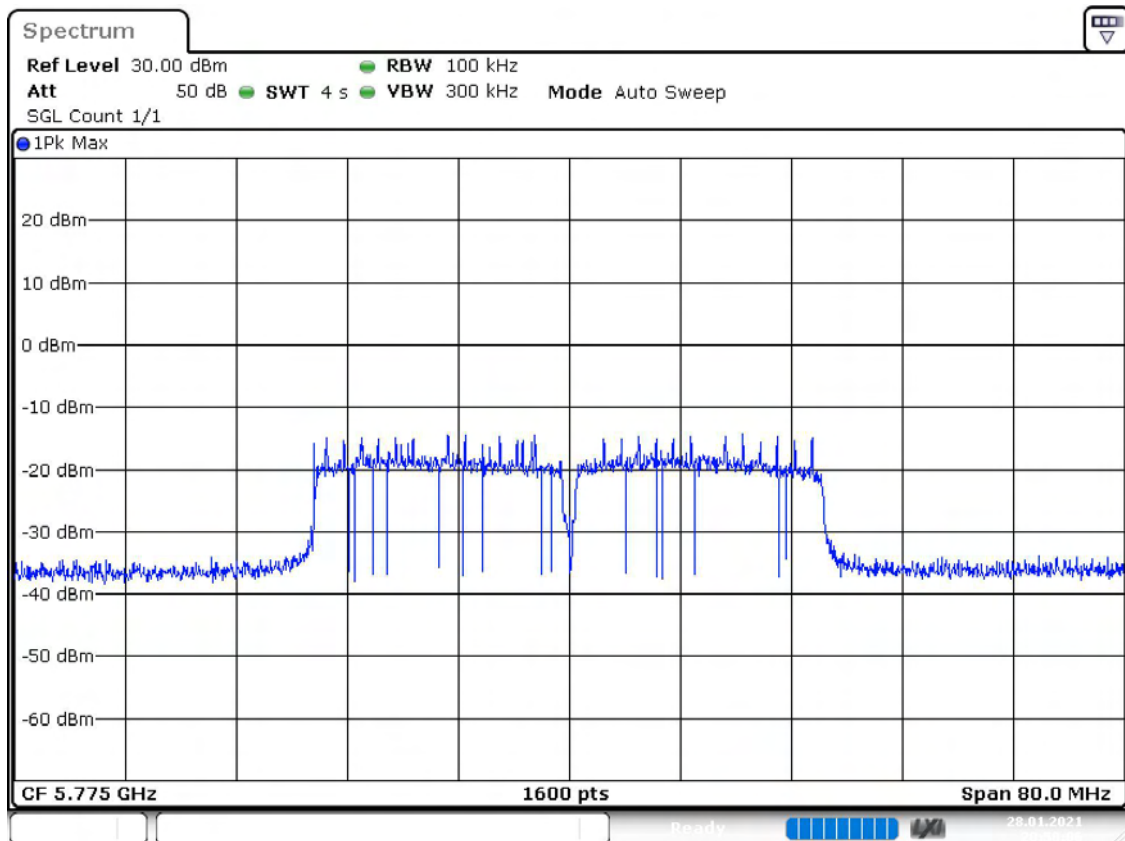
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	36.350000	0.500000	---	5756.525000	5792.875000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	0.2	PASS

6 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:50:06

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.81500 GHz	5.81500 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweptime	4.000 s	4.000 s
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

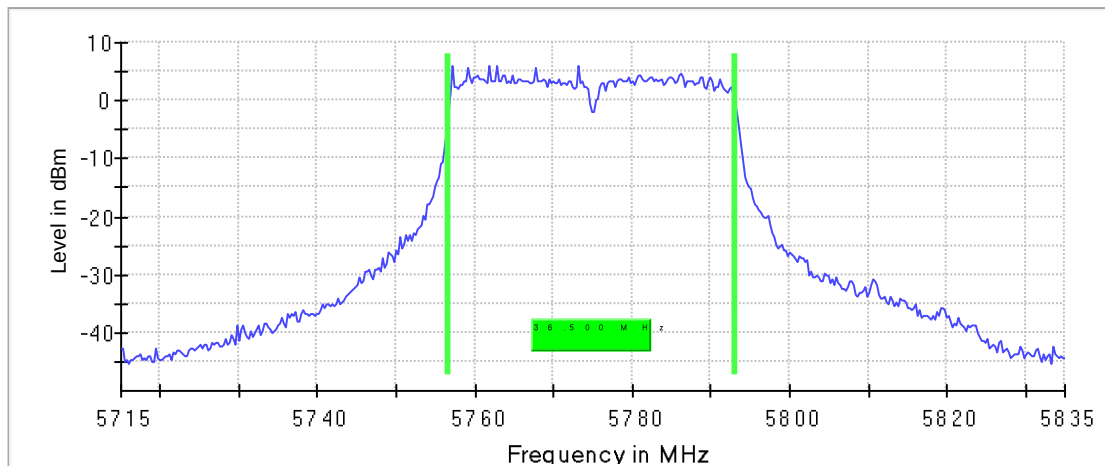
Occupied Channel Bandwidth 99% (5775 MHz; 30.000 dBm; 40 MHz)

99 % Bandwidth

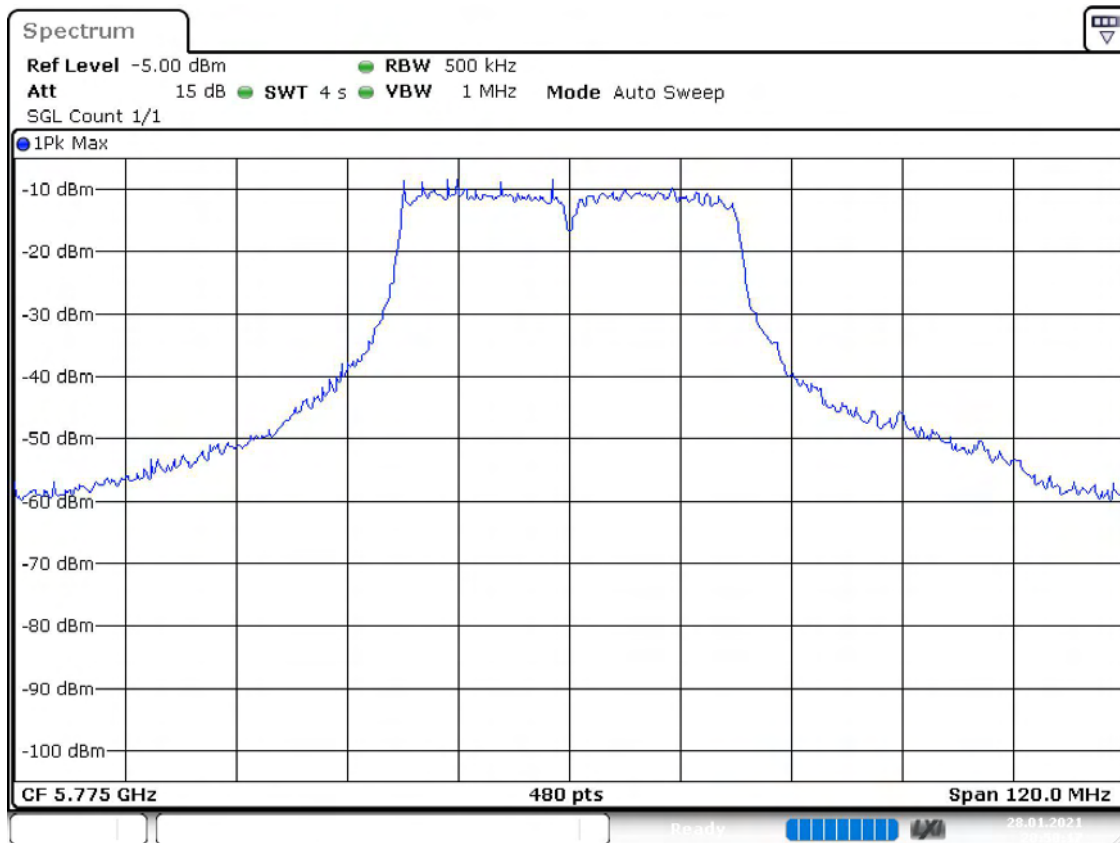
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	36.500000	---	---	5756.625000	5793.125000

DUT Frequency (MHz)	Result
5775.000000	PASS

99 % Bandwidth



Bandwidth



Date: 28.JAN.2021 20:50:17

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.83500 GHz	5.83500 GHz
Span	120.000 MHz	120.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	480	~ 480
Sweeptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm

Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (5775 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
5775.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

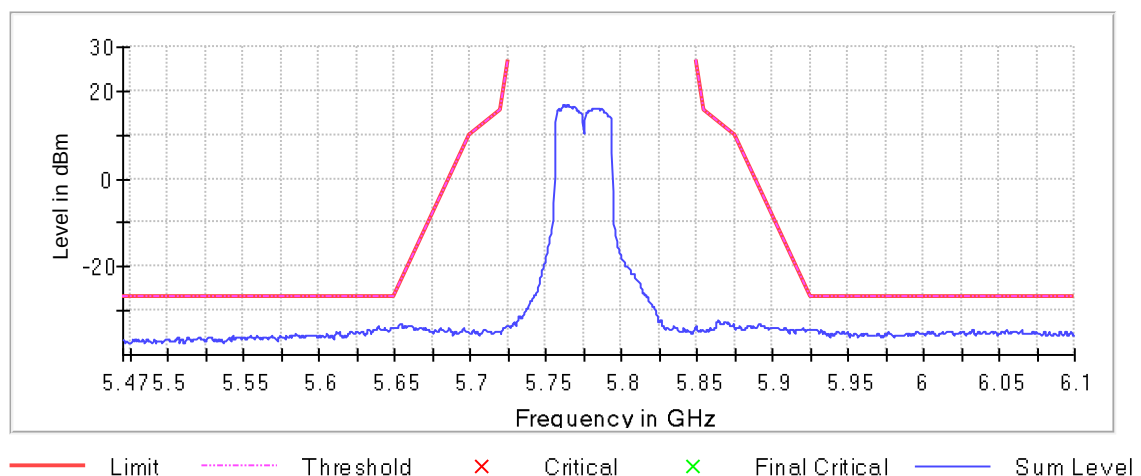
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5638.750000	-33.5	6.5	-27.0
5639.250000	-33.5	6.5	-27.0
5648.750000	-33.7	6.7	-27.0
5649.250000	-33.8	6.8	-27.0
5638.250000	-33.9	6.9	-27.0
5648.250000	-33.9	6.9	-27.0
5647.250000	-34.0	7.0	-27.0
5639.750000	-34.0	7.0	-27.0
5643.250000	-34.0	7.0	-27.0
5647.750000	-34.0	7.0	-27.0
5649.750000	-34.1	7.1	-27.0
5632.250000	-34.1	7.1	-27.0
5642.750000	-34.1	7.1	-27.0
5643.750000	-34.1	7.1	-27.0
5926.250000	-34.1	7.1	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

Spurious



Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	1260	~ 1260
SweepTime	85.781 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

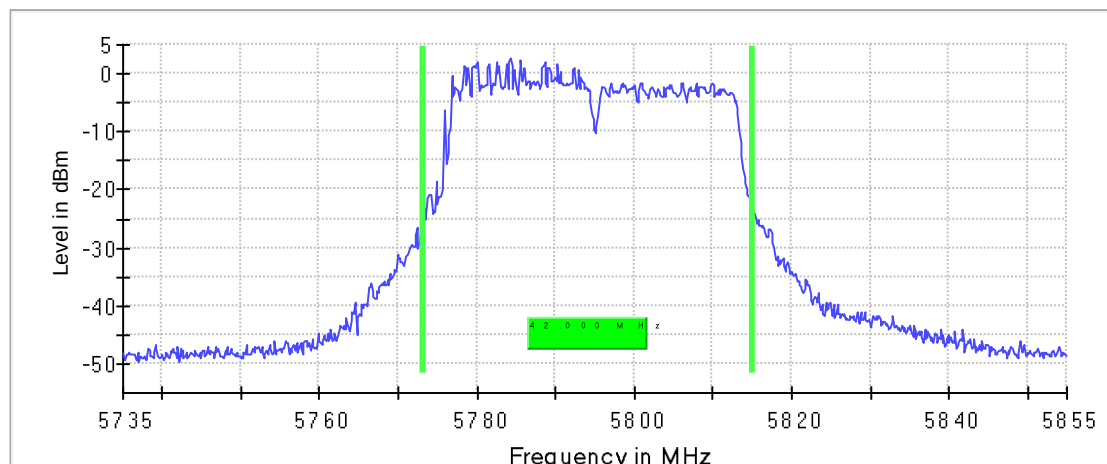
Emission Bandwidth 26 dB (5795 MHz; 30.000 dBm; 40 MHz)

26 dB Bandwidth

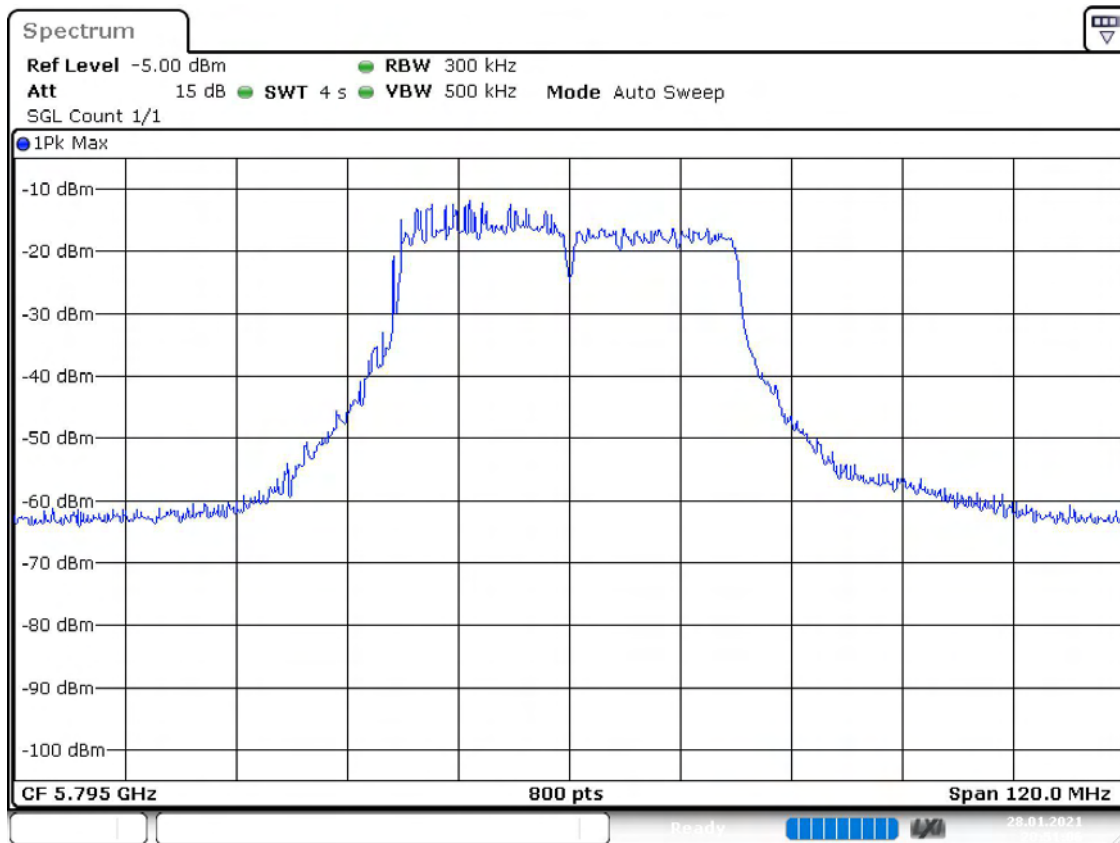
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	42.000000	---	---	5773.175000	5815.175000

DUT Frequency (MHz)	Max Level (dBm)	Result
5795.000000	2.6	PASS

26 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:51:06

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	120.000 MHz	120.000 MHz
RBW	300.000 kHz	~ 400.000 kHz
VBW	500.000 kHz	>= 360.000 kHz
SweepPoints	800	~ 800
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

RF output power (5795 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5795.000000	16.5	30.0	30.5	92.777	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Power Spectral Density (5795 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5795.000000	5790.125000	-3.247	22.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.77500 GHz	5.77500 GHz
Stop Frequency	5.81500 GHz	5.81500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
SweepTime	3.200 ms	3.200 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
Sweeptype	Sweep	AUTO
Preamp	off	off

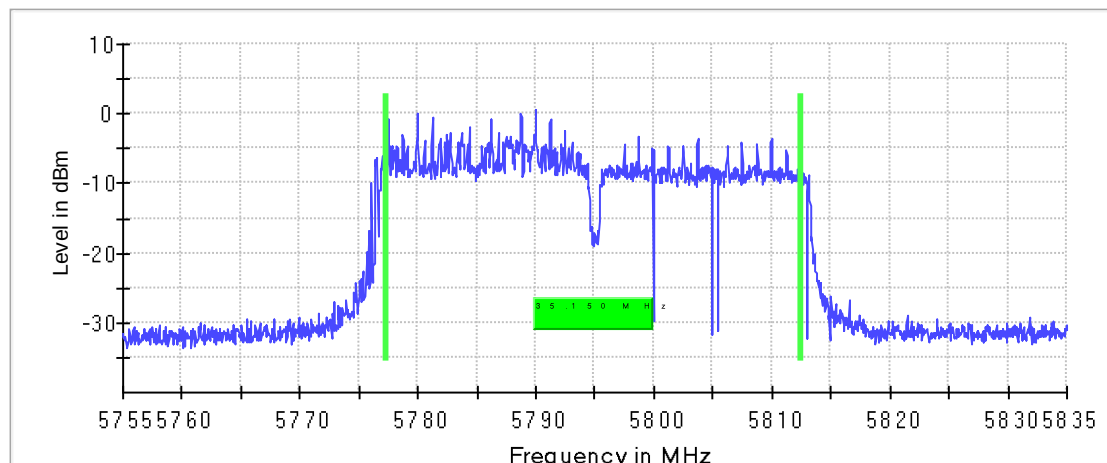
Minimum Emission Bandwidth 6 dB (5795 MHz; 30.000 dBm; 40 MHz)

6 dB Bandwidth

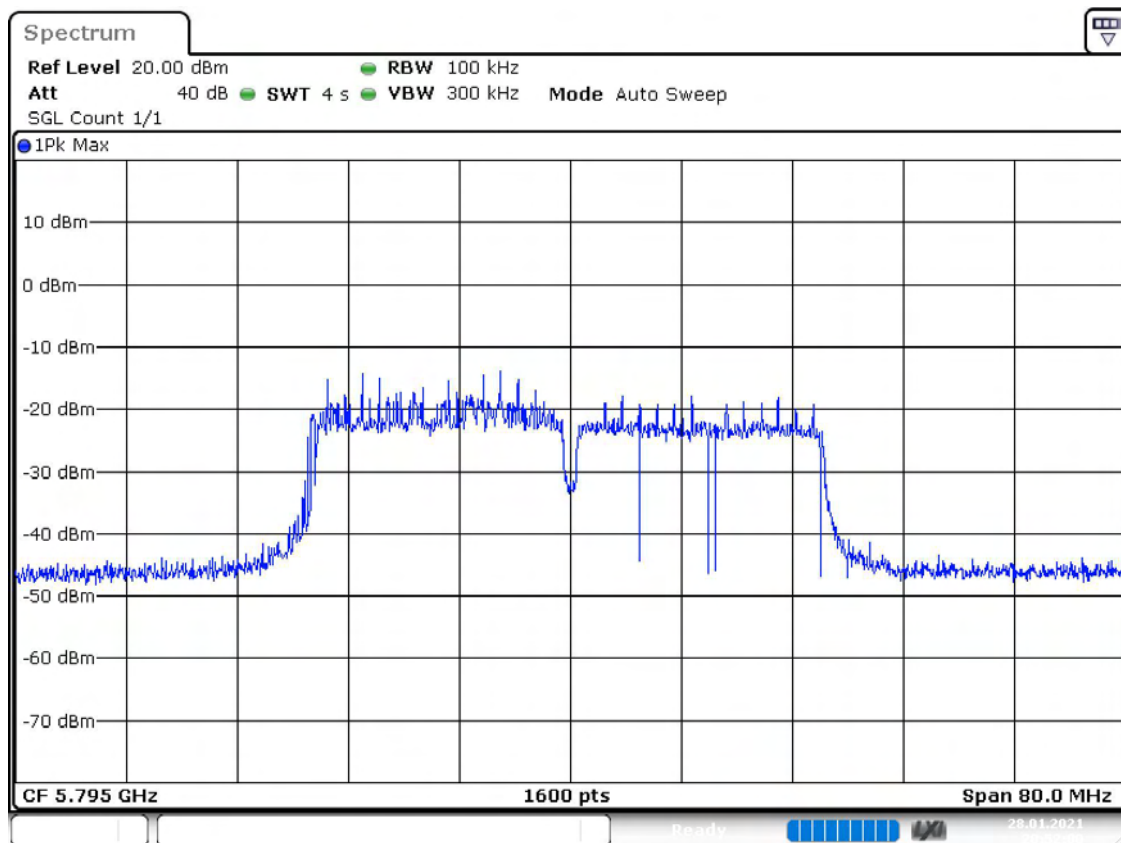
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	35.150000	0.500000	---	5777.375000	5812.525000

DUT Frequency (MHz)	Max Level (dBm)	Result
5795.000000	0.7	PASS

6 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:52:00

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.75500 GHz	5.75500 GHz
Stop Frequency	5.83500 GHz	5.83500 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweptime	4.000 s	4.000 s
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

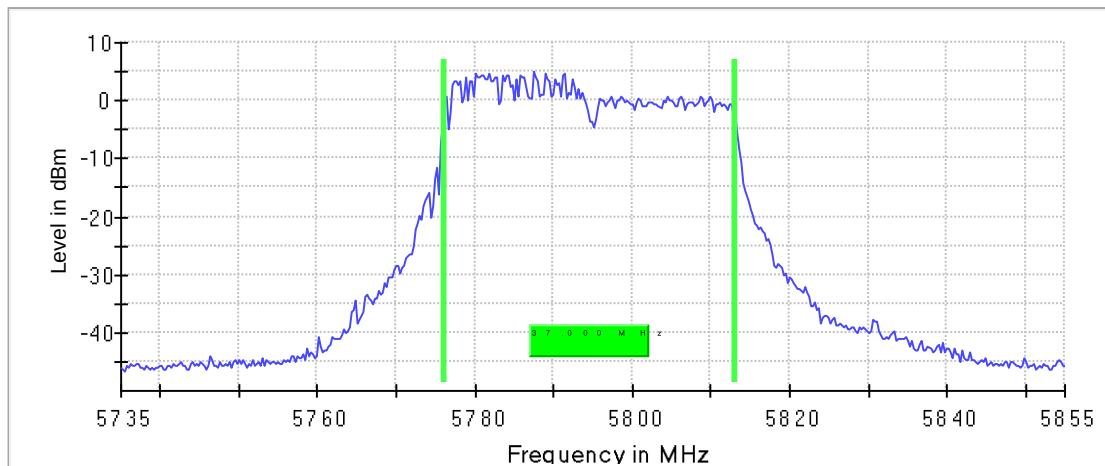
Occupied Channel Bandwidth 99% (5795 MHz; 30.000 dBm; 40 MHz)

99 % Bandwidth

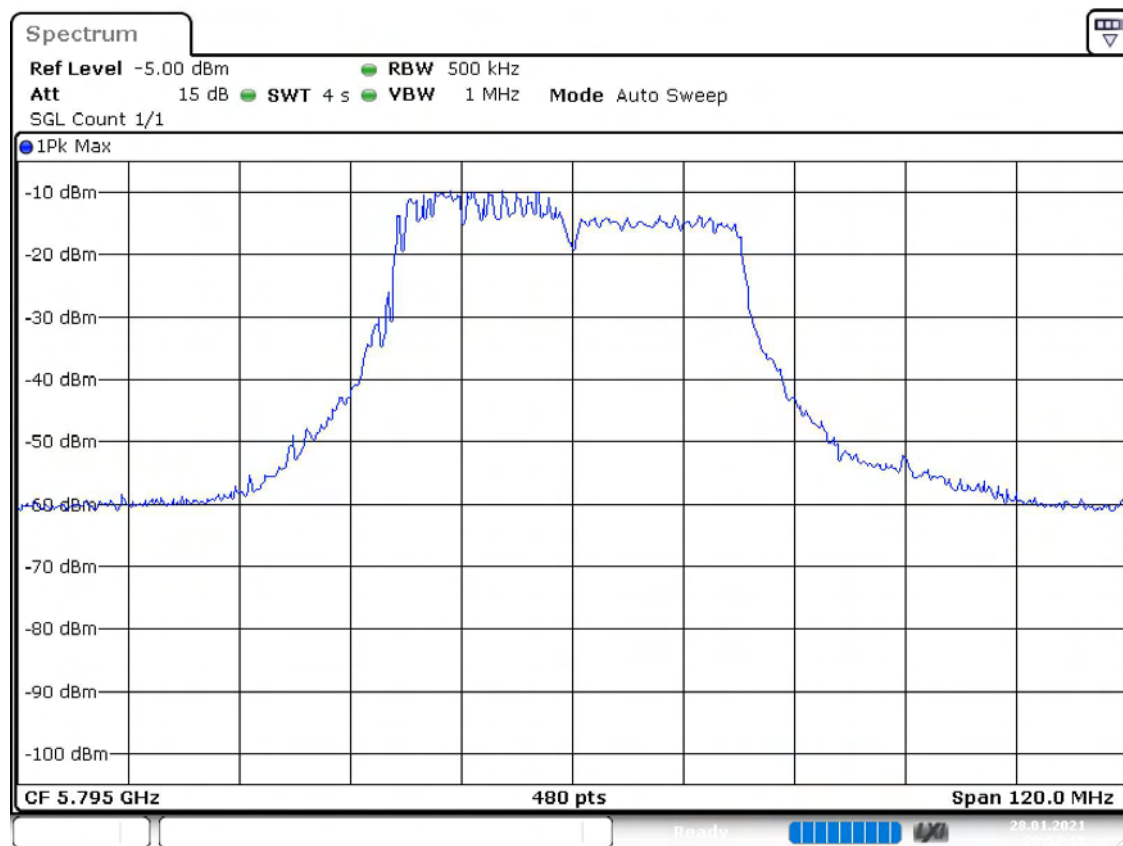
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	37.000000	---	---	5776.125000	5813.125000

DUT Frequency (MHz)	Result
5795.000000	PASS

99 % Bandwidth



Bandwidth



Date: 28.JAN.2021 20:52:11

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	120.000 MHz	120.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	480	~ 480
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm

Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (5795 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
5795.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

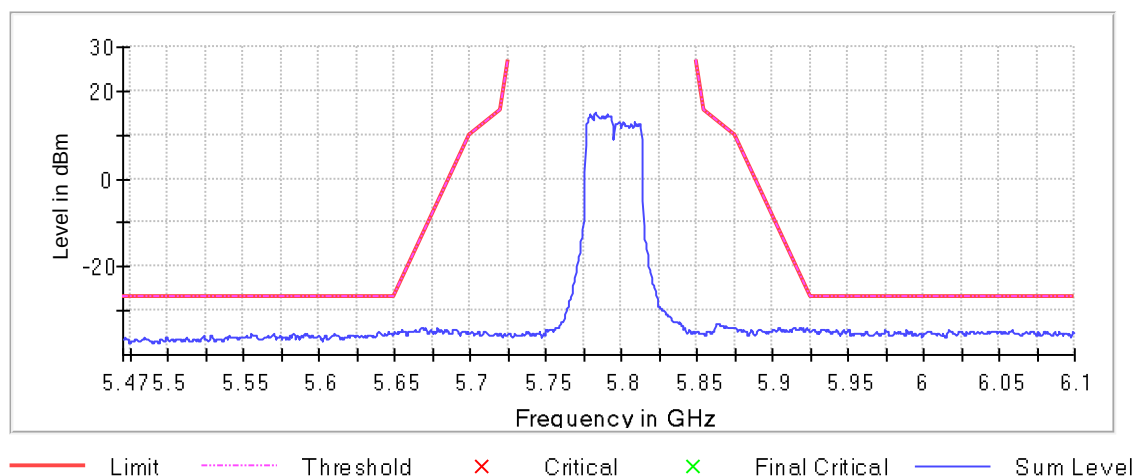
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5927.250000	-34.2	7.2	-27.0
5946.750000	-34.2	7.2	-27.0
5926.750000	-34.3	7.3	-27.0
5950.250000	-34.3	7.3	-27.0
5932.750000	-34.3	7.3	-27.0
5933.250000	-34.4	7.4	-27.0
6058.750000	-34.4	7.4	-27.0
5950.750000	-34.4	7.4	-27.0
5932.250000	-34.4	7.4	-27.0
5927.750000	-34.4	7.4	-27.0
5936.250000	-34.4	7.4	-27.0
5934.250000	-34.4	7.4	-27.0
5933.750000	-34.4	7.4	-27.0
5988.750000	-34.5	7.5	-27.0
5942.250000	-34.5	7.5	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

Spurious



Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	≤ 1.000 MHz
VBW	3.000 MHz	≥ 3.000 MHz
SweepPoints	1260	~ 1260
SweepTime	85.781 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

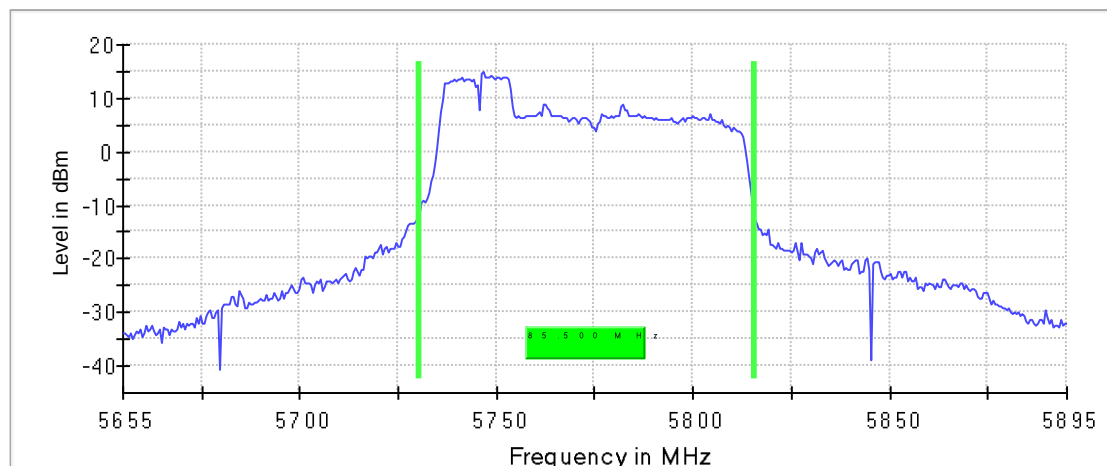
Emission Bandwidth 26 dB (5775 MHz; 30.000 dBm; 80 MHz)

26 dB Bandwidth

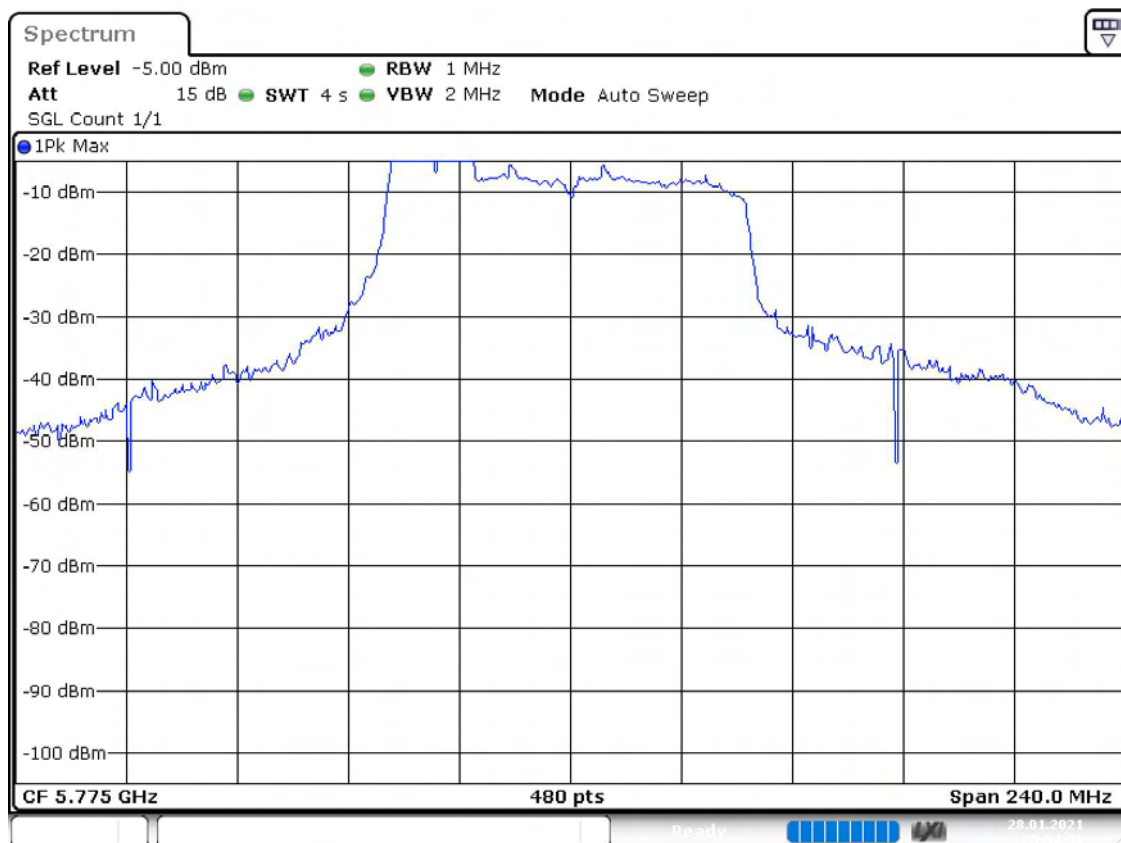
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	85.500000	---	---	5730.250000	5815.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	14.8	PASS

26 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:54:30

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.65500 GHz	5.65500 GHz
Stop Frequency	5.89500 GHz	5.89500 GHz
Span	240.000 MHz	240.000 MHz
RBW	1.000 MHz	~ 800.000 kHz
VBW	2.000 MHz	>= 1.200 MHz
SweepPoints	480	~ 480
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

RF output power (5775 MHz; 30.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5775.000000	22.3	30.0	36.3	87.163	PASS

OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

Power Spectral Density (5775 MHz; 30.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5775.000000	5750.125000	2.354	22.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.73500 GHz	5.73500 GHz
Stop Frequency	5.81500 GHz	5.81500 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	6.400 ms	6.400 ms
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
Sweeptype	Sweep	AUTO
Preamp	off	off

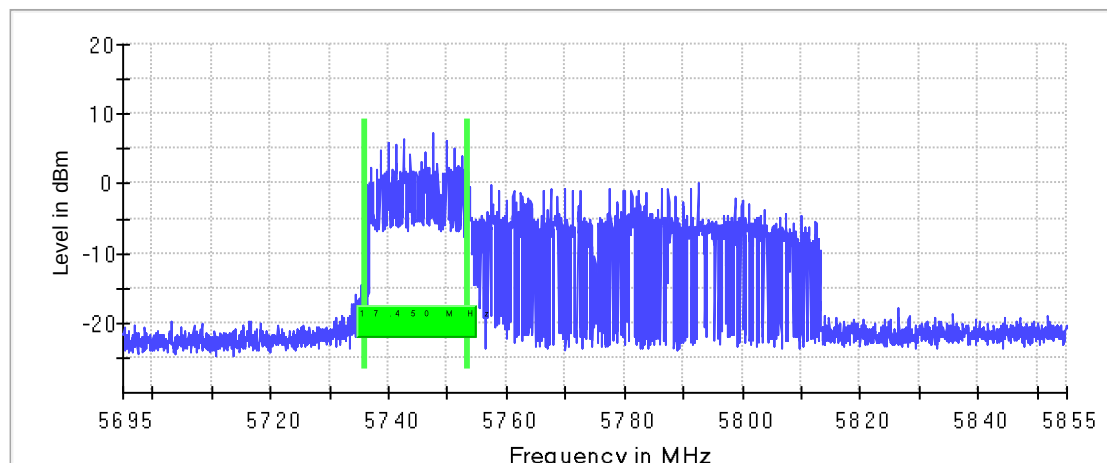
Minimum Emission Bandwidth 6 dB (5775 MHz; 30.000 dBm; 80 MHz)

6 dB Bandwidth

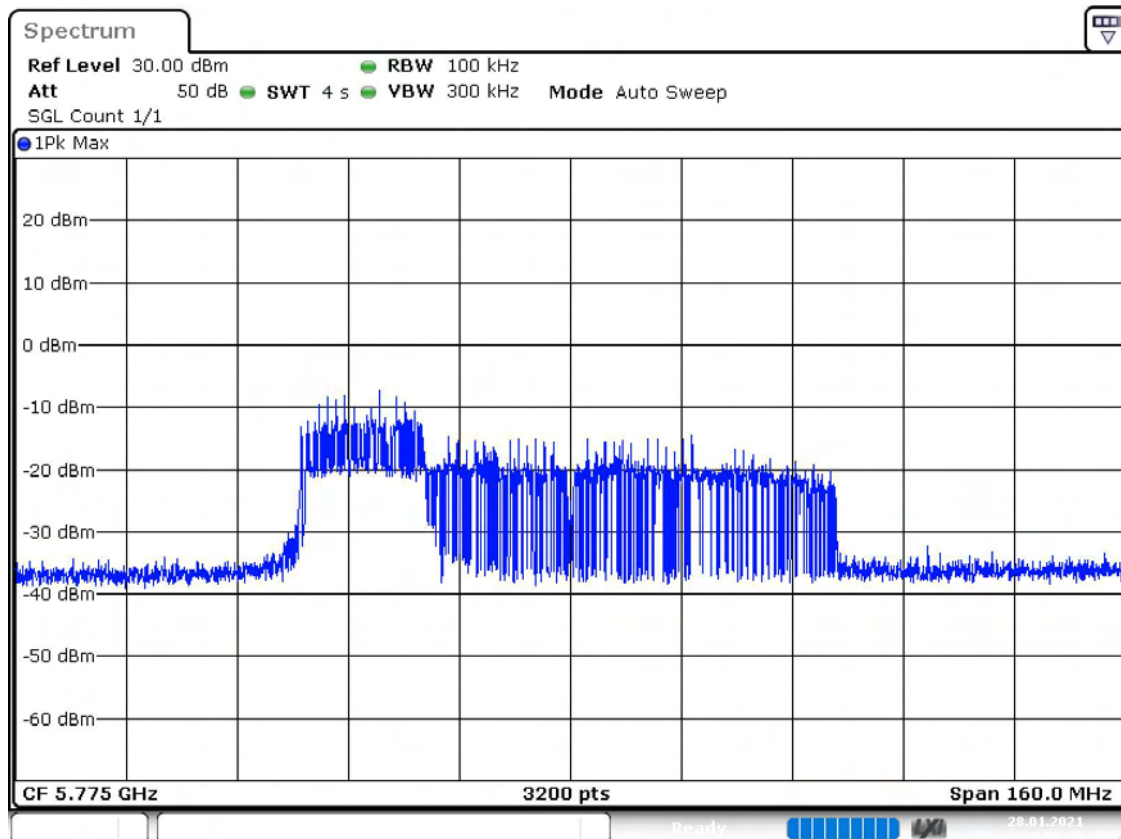
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	17.450000	0.500000	---	5736.175000	5753.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
5775.000000	7.2	PASS

6 dB Bandwidth



Bandwidth



Date: 28.JAN.2021 20:55:25

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.69500 GHz	5.69500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	160.000 MHz	160.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	3200	~ 3200
Sweptime	4.000 s	4.000 s
Reference Level	30.000 dBm	30.000 dBm
Attenuation	50.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

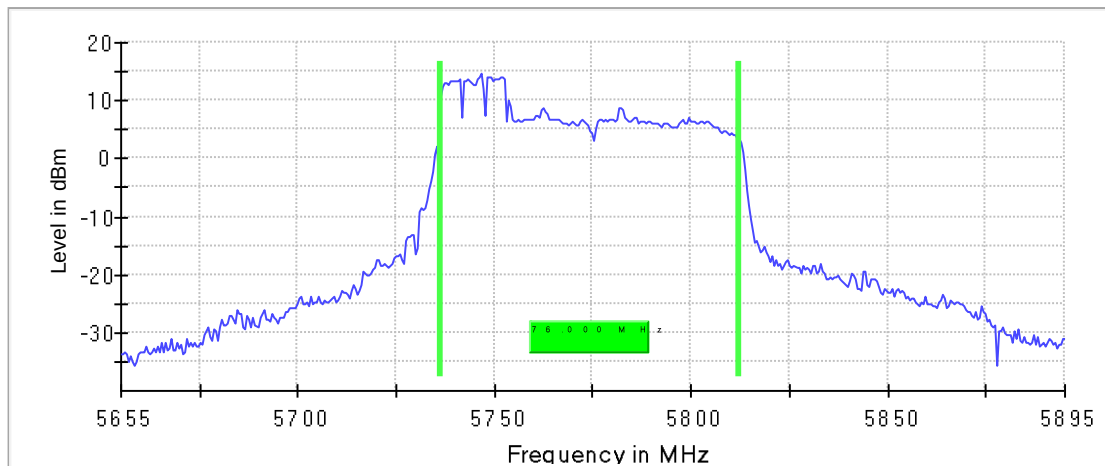
Occupied Channel Bandwidth 99% (5775 MHz; 30.000 dBm; 80 MHz)

99 % Bandwidth

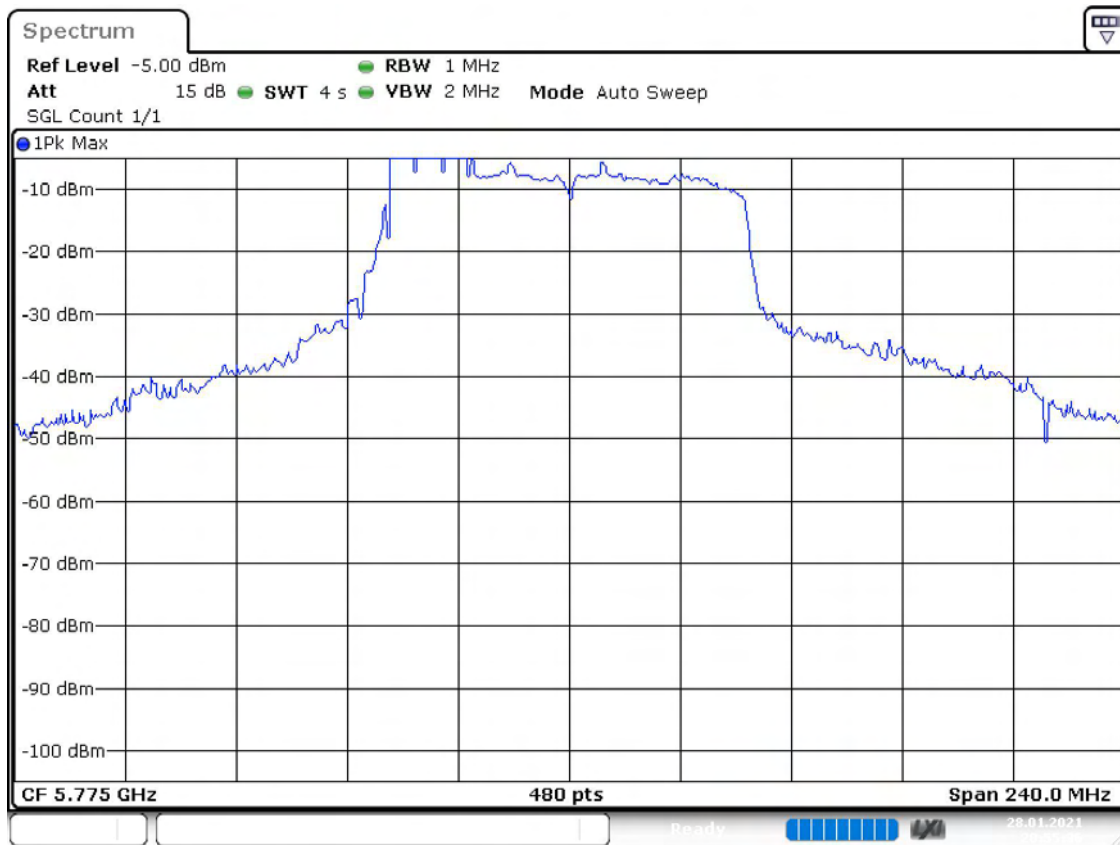
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	76.000000	---	---	5736.250000	5812.250000

DUT Frequency (MHz)	Result
5775.000000	PASS

99 % Bandwidth



Bandwidth



Date: 28.JAN.2021 20:55:36

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.65500 GHz	5.65500 GHz
Stop Frequency	5.89500 GHz	5.89500 GHz
Span	240.000 MHz	240.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	2.000 MHz	>= 1.200 MHz
SweepPoints	480	~ 480
Sweptime	4.000 s	4.000 s
Reference Level	-5.000 dBm	-5.000 dBm

Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off

Tx Spurious Emission (5775 MHz; 30.000 dBm; 80 MHz)

Result

DUT Frequency (MHz)	Result
5775.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

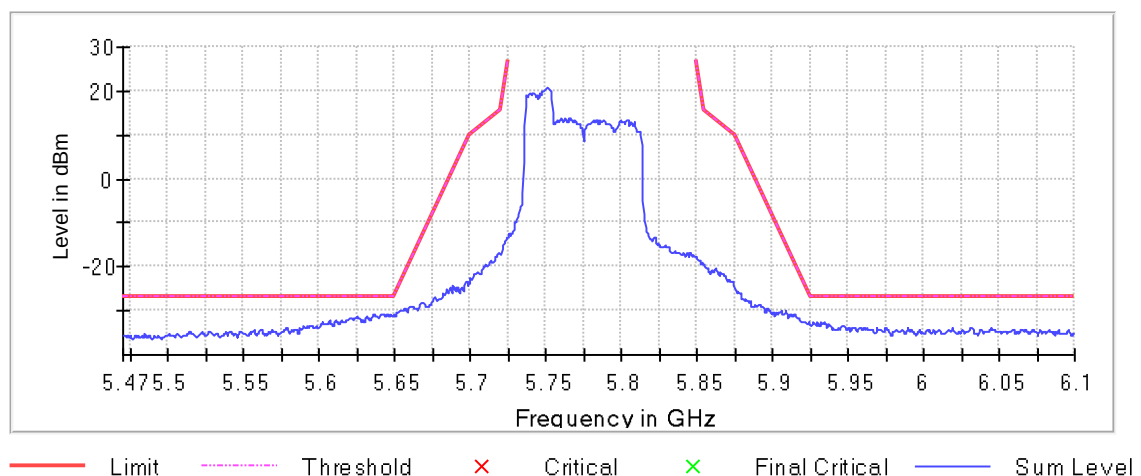
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5636.250000	-30.6	3.6	-27.0
5645.250000	-30.6	3.6	-27.0
5641.750000	-30.6	3.6	-27.0
5642.250000	-30.6	3.6	-27.0
5636.750000	-30.7	3.7	-27.0
5642.750000	-30.8	3.8	-27.0
5643.250000	-30.8	3.8	-27.0
5645.750000	-30.8	3.8	-27.0
5635.750000	-30.8	3.8	-27.0
5640.750000	-30.9	3.9	-27.0
5641.250000	-30.9	3.9	-27.0
5644.750000	-30.9	3.9	-27.0
5649.750000	-30.9	3.9	-27.0
5647.250000	-31.0	4.0	-27.0
5640.250000	-31.0	4.0	-27.0

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
5470.000000	6100.000000	2	2

Spurious



Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	1260	~ 1260
SweepTime	85.781 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	30.000 dB
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off